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OM protein - protein search, using sw model

Run on: July 25, 2003, 12:38:05 ; Search time 24.7086 Seconds

(without alignments)
315.081 Million cell updates/sec

Title: US-09-987-357-1

Perfect score: 1009
Sequence: 1 CTCVPHPDQAFNCSDLVIR.....ACLPREPGICTWQSLRQIA 184

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Search: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCUTS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfilltest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1009	100.0	184	US-09-452-817-1	Sequence 1, Appli
2	1009	100.0	207	US-08-588-163-5	Sequence 5, Appli
3	1009	100.0	207	US-09-111-070-5	Sequence 5, Appli
4	1009	100.0	207	US-08-849-764C-5	Sequence 5, Appli
5	1009	100.0	207	US-09-262-087-5	Sequence 5, Appli
6	1009	100.0	207	US-08-463-261B-11	Sequence 11, Appli
7	1009	100.0	207	US-09-540-530-1	Sequence 1, Appli
8	1009	100.0	207	US-08-134-231C-23	Sequence 23, Appli
9	893	88.5	207	US-08-134-231C-22	Sequence 22, Appli
10	817.5	81.0	206	US-08-134-231C-24	Sequence 24, Appli
11	761.5	75.5	205	US-08-134-231C-25	Sequence 25, Appli
12	579	57.4	106	US-09-452-817-2	Sequence 2, Appli
13	381.5	37.8	212	US-08-134-231C-29	Sequence 29, Appli
14	377.5	37.4	198	US-08-134-231C-15	Sequence 15, Appli
15	377.5	37.4	211	US-08-588-163-4	Sequence 4, Appli
16	377.5	37.4	211	US-09-111-070-4	Sequence 4, Appli
17	377.5	37.4	211	US-09-540-530-3	Sequence 3, Appli
18	377.5	37.4	211	US-08-134-231C-13	Sequence 13, Appli
19	377.5	37.4	220	US-08-588-163-3	Sequence 3, Appli
20	377.5	37.4	220	US-09-111-070-3	Sequence 3, Appli
21	377.5	37.4	220	US-09-540-530-2	Sequence 2, Appli
22	377.5	37.4	220	US-08-134-231C-27	Sequence 27, Appli
23	372	36.9	210	US-08-849-764C-4	Sequence 4, Appli
24	372	36.9	210	US-09-262-087-4	Sequence 4, Appli
25	372	36.9	210	US-08-463-261B-10	Sequence 10, Appli
26	370.5	36.7	220	US-08-134-231C-26	Sequence 26, Appli
27	369.5	36.6	218	US-08-849-764C-3	Sequence 3, Appli

28	369.5	36.6	218	4	US-09-262-087-3	Sequence 3, Appli
29	369.5	36.6	218	4	US-08-463-261B-9	Sequence 9, Appli
30	351	34.8	224	1	US-08-588-163-2	Sequence 2, Appli
31	351	34.8	224	2	US-09-111-070-2	Sequence 2, Appli
32	351	34.8	224	4	US-08-849-764C-2	Sequence 2, Appli
33	351	34.8	224	4	US-09-262-087-2	Sequence 2, Appli
34	351	34.8	224	4	US-08-463-261B-2	Sequence 2, Appli
35	351	34.8	224	4	US-09-540-530-4	Sequence 4, Appli
36	351	34.8	224	4	US-09-901-904-2	Sequence 2, Appli
37	351	34.8	224	5	PCT-US94-14498A-2	Sequence 2, Appli
38	279	27.7	164	4	US-08-134-231C-17	Sequence 17, Appli
39	260	25.8	171	4	US-08-134-231C-28	Sequence 28, Appli
40	124	12.3	25	2	US-08-474-696A-2	Sequence 2, Appli
41	105	10.4	22	2	US-08-474-696A-5	Sequence 5, Appli
42	105	10.4	22	2	US-08-474-696A-6	Sequence 6, Appli
43	105	10.4	25	2	US-08-474-696A-4	Sequence 4, Appli
44	88.5	8.8	512	1	US-07-779-890-4	Sequence 4, Appli
45	88.5	8.8	512	1	US-07-779-890-4	Sequence 4, Appli

ALIGNMENTS

```
RESULT 1
US-09-452-817-1
; Sequence 1, Application US/09452817
; Patent No. 6342374
; GENERAL INFORMATION:
; APPLICANT: Carmichael, David P
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Weigus, Howard G
; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
; TITLE OF INVENTION: Manufacture Of Same
; FILE REFERENCE: Serial No. 6342374 09/452,817
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 08/474,553
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/050,739
; PRIOR FILING DATE: 1993-04-21
; PRIOR APPLICATION NUMBER: 07/853,018
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: 07/517,475
; PRIOR FILING DATE: 1990-05-01
; PRIOR APPLICATION NUMBER: 07/320,923
; PRIOR FILING DATE: 1989-03-08
; PRIOR APPLICATION NUMBER: 06/784,319
; PRIOR FILING DATE: 1985-10-04
; PRIOR APPLICATION NUMBER: 06/699,181
; PRIOR FILING DATE: 1985-02-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 184
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-452-817-1

Query Match      100.0%; Score 1009; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 9,7e+117;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTCVPHPDQAFNCSDLVIRAKKVGTPPEVNTTLYQREYIMTQYKGFQALGDAADIRF 60
DB      1 CTCVPHPDQAFNCSDLVIRAKKVGTPPEVNTTLYQREYIMTQYKGFQALGDAADIRF 60
QY      61 VYTPAMEVCGYFRRSHRSEEPILAGLOGLHITTCSPVAAWNSISLAORRGFTKTY 120
DB      61 VYTPAMEVCGYFRRSHRSEEPILAGLOGLHITTCSPVAAWNSISLAORRGFTKTY 120
QY      121 TVGCEECTVFPLSLIPCKLQSGTHCLWTDQLQSGSEKFGFSRHILACLPREPGICTWQSLR 180
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Db 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGICTWQSLR 180
QY 181 SQIA 184
Db 181 SQIA 184

RESULT 2

US-08-588-163-5
Sequence 5, Application US/08588163
Patent No. 5643752
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
NUMBER OF SEQUENCES: 5
TITLE OF INVENTION: METALLOPROTEINASES
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/588,163
FILING DATE: Herewith
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
FILING DATE:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0053
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
US-08-588-163-5

Query Match 100.0%; Score 1009; DB 1; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPOTAFPCNSDLVIRAKFVGTPEVNOTTLVYQREIKMTKWKYKGFQALGDAADIRF 60
Db 24 CTCVPHPOTAFPCNSDLVIRAKFVGTPEVNOTTLVYQREIKMTKWKYKGFQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTKTY 120
Db 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTKTY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGICTWQSLR 180
Db 144 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGICTWQSLR 203

*DNA
& Method to Express*

QY 181 SQIA 184
Db 204 SQIA 207

RESULT 3

US-09-111-070-5
Sequence 5, Application US/09111070
Patent No. 5914392
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
NUMBER OF SEQUENCES: 5
TITLE OF INVENTION: METALLOPROTEINASES
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,070
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/588,163
FILING DATE:
ATTORNEY/AGENT INFORMATION:
FILING DATE:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0053
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
US-09-111-070-5

Query Match 100.0%; Score 1009; DB 2; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPOTAFPCNSDLVIRAKFVGTPEVNOTTLVYQREIKMTKWKYKGFQALGDAADIRF 60
Db 24 CTCVPHPOTAFPCNSDLVIRAKFVGTPEVNOTTLVYQREIKMTKWKYKGFQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTKTY 120
Db 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTKTY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGICTWQSLR 180
Db 144 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGICTWQSLR 203
QY 181 SQIA 184
Db 204 SQIA 207

AP for Timp

RESULT 4

US-08-849-764C-5
Sequence 5, Application US/08849764C
Patent No. 6300310

GENERAL INFORMATION:

APPLICANT: GREENE, JOHN M
ROSEN, CRAIG

TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,764C
FILING DATE: 19-Sep-1997
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: MICHELE M. WALES

REGISTRATION NUMBER: 43,975
REFERENCE/DOCKET NUMBER: PFI48US

TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 5

US-08-849-764C-5

Query Match 100.0%; Score 1009; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CTCVPHQTAFCNSDLVIRAKFVGTPEVNQTTLYORYEIKMTXKYGFOALGDAADIRF 60
24 CTCVPHQTAFCNSDLVIRAKFVGTPEVNQTTLYORYEIKMTXKYGFOALGDAADIRF 83

61 VTPPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWNSISLAQRGFTTXY 120
84 VTPPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWNSISLAQRGFTTXY 143

121 TVGCECTVFPCLSPCKLQSGTHCLMTDQLLQSGSEKGFQSRHACLPRPGLCTWOSLR 180
144 TVGCECTVFPCLSPCKLQSGTHCLMTDQLLQSGSEKGFQSRHACLPRPGLCTWOSLR 203

181 SQIA 184
204 SQIA 207

RESULT 5
US-09-262-087-5
Sequence 5, Application US/09262087
Patent No. 6391853

GENERAL INFORMATION:
APPLICANT: GREENE, JOHN M
ROSEN, CRAIG

Not #5
claims to SEQ ID #2

TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/262,087
FILING DATE: 04-MAR-1999
CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/463,261
FILING DATE: 05-JUN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/14498
FILING DATE: 13-FEB-1994

ATTORNEY/AGENT INFORMATION:
NAME: A. ANDERS BROOKES

REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI48PID1

TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8439
TELEFAX: 301-309-8504

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-262-087-5

Query Match 100.0%; Score 1009; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CTCVPHQTAFCNSDLVIRAKFVGTPEVNQTTLYORYEIKMTXKYGFOALGDAADIRF 60
24 CTCVPHQTAFCNSDLVIRAKFVGTPEVNQTTLYORYEIKMTXKYGFOALGDAADIRF 83

61 VTPPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWNSISLAQRGFTTXY 120
84 VTPPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWNSISLAQRGFTTXY 143

121 TVGCECTVFPCLSPCKLQSGTHCLMTDQLLQSGSEKGFQSRHACLPRPGLCTWOSLR 180
144 TVGCECTVFPCLSPCKLQSGTHCLMTDQLLQSGSEKGFQSRHACLPRPGLCTWOSLR 203

181 SQIA 184
204 SQIA 207

RESULT 6
US-08-463-261B-11
Sequence 11, Application US/08463261B
Patent No. 6448042

GENERAL INFORMATION:
APPLICANT: John M. Greene and Craig A. Rosen
TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE

to polyacetaldehyde

Not #5
claims to SEQ ID #2

CITY: ROCKVILLE
STATE: MARYLAND
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,261B
FILING DATE: 05-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA: PCT/US94/14498
APPLICATION NUMBER: 13-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KENLEY K. HOOVER
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PF148P1
TELEPHONE: 301-610-5790
TELEFAX: 301-610-8439
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-463-261B-11

Query Match 100.0%; Score 1009; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 83
QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 120
DB 84 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFOSRHACLPRPGLCTWOSLR 180
DB 144 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFOSRHACLPRPGLCTWOSLR 203

181 SQIA 184
204 SQIA 207

RESULT 7
US-09-540-530-1
Sequence 1, Application US/09540530
Patent No. 6534635
GENERAL INFORMATION:
APPLICANT: Miyazaki, Kaoru
APPLICANT: Higashi, Shouichi
TITLE OF INVENTION: MODIFIED TIMP
FILE REFERENCE: 159-57
CURRENT APPLICATION NUMBER: US/09/540,530
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: JP 95142/1999
PRIOR FILING DATE: 1999-04-01
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 207
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

Modified
Timp

OTHER INFORMATION: Description of Artificial Sequence: modified TIMP
US-09-540-530-1

Query Match 100.0%; Score 1009; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 83
QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 120
DB 84 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFOSRHACLPRPGLCTWOSLR 180
DB 144 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFOSRHACLPRPGLCTWOSLR 203
QY 181 SQIA 184
DB 204 SQIA 207

RESULT 8
US-08-134-231C-23
Sequence 23, Application US/08134231C
Patent No. 6562596
GENERAL INFORMATION:

APPLICANT: Silbiger, Scott M.
Koski, Raymond A.
TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
Three (TIMP-3) Composition and Methods

NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESSES:
ADDRESS: Finnegan, Henderson, Farabow, Garrett & Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: USA

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct-1993
CLASSIFICATION: <Unknown>

INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 23:

US-08-134-231C-23

Query Match 100.0%; Score 1009; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-116;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPPHQTAFNCSDLVIRAKFVGTPEVNTTLVYRVEIKMTKMYKGFQALGDAADIRF 83
QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 120
DB 84 VTPPAMESVCGYFHRSHNRSEEFLLAGKLDGGLHITTCSPFAPWNSLSLAQRGFTTXY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFOSRHACLPRPGLCTWOSLR 180

DNA's
& Vector

Db 144 TVGCECTVPCLSIPCKLQSGTHCLMTDQLQSGSEKFGQSRHLACLPRPGLCTWQSLR 203
QY 181 SOIA 184
Db 204 SOIA 207

RESULT 9

US-08-134-231C-22
; Sequence 22, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; Koski, Raymond A.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,231C
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-08-134-231C-22

Query Match 88.5%; Score 893; DB 4; Length 207;
Best Local Similarity 87.0%; Pred. No. 2,6e-102;
Matches 160; Conservative 10; Mismatches 14; Indels 0; Gaps 0;

Db 1 CTCVPHPQTAFGNSDLVIRAKFVGTPEVNOITLYQRYEIKMTXMYKGFQALGDAADIRF 60
CTCVPHPQTAFGNSDLVIRAKFVGTAEVNETALYQRYEIKMTXMYKGFQALGDAADIRF 83
QY 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTTXY 120
84 VYTPMESVCGYFHRSHNRSEEFLLAGQLSNHILITTCSPVAPWNSMSAQRGFTTXY 143
QY 121 TVGCECTVPCLSIPCKLQSGTHCLMTDQLQSGSEKFGQSRHLACLPRPGLCTWQSLR 180
Db 144 AAGCECTVPCLSIPCKLQSGTHCLMTDQLQSGSEKFGQSRHLACLPRPGLCTWQSLR 203
QY 181 SOIA 184
Db 204 AQMA 207

RESULT 10

US-08-134-231C-24
; Sequence 24, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; Koski, Raymond A.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type

Three (TIMP-3) Composition and Methods
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: USA
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct-1993
CLASSIFICATION: <Unknown>
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-08-134-231C-24

Query Match 81.0%; Score 817.5; DB 4; Length 206;
Best Local Similarity 81.7%; Pred. No. 5,7e-93;
Matches 147; Conservative 11; Mismatches 21; Indels 1; Gaps 1;

QY 1 CTCVPHPQTAFGNSDLVIRAKFVGTPEVNOITLYQRYEIKMTXMYKGFQALGDAADIRF 60
Db 24 CTCVPHPQTAFGNSDLVIRAKFVGAPVNHITLYQRYEIKMTXMYKGFQALGDAADIRF 83
QY 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPVAPWNSLSLAQRGFTTXY 120
Db 84 VYTPMESVCGYFHRSHNRSEEFLLAGQLRGLHILITTCSPVAPWNSLSFQSRGFTTXY 143
QY 121 TVGCECTVPCLSIPCKLQSGTHCLMTDQLQSGSEKFGQSRHLACLPRPGLCTWQSLR 180
Db 144 AAGCECTVPCLSIPCKLQSGTHCLMTDQSL- GSDKGFQSRHLACLPRPGLCTWQSLR 202

RESULT 11

US-08-134-231C-25
; Sequence 25, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; Koski, Raymond A.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,231C
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 25
US-08-134-231C-25

Query Match 75.5%; Score 761.5; DB 4; Length 205;
Best Local Similarity 73.7%; Pred. No. 4,8e-86;
Matches 132; Conservative 25; Mismatches 21; Indels 1; Gaps 1;

QY 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 25 CSCAPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 84
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLODGLLHTTSCFVAPMNSLSAQRGFTKT 120
DB 85 AYTPTMESLTCGYAHKSNSEEFLLGRNLNGLHSACSLVPMWTLSPAOQRAFSKTY 144
DB 121 TVGCECTVFPCLISIPCKLQSGTHCLWTDQLQSGSEKGFQSRHLACLPREPGLCTWQSL 179
145 SAGCGCTVFPCLISIPCKLQSGTHCLWTDQLQSGSEKGFQSRHLACLPREPGLCTWQSL 202

RESULT 12

US-09-452-817-2
Sequence 2, Application US/09452817
Patent No. 6342374
GENERAL INFORMATION:
APPLICANT: Carmichael, David F
APPLICANT: Anderson, David C
APPLICANT: Stricklin, George P
APPLICANT: Welgus, Howard G
TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
FILE REFERENCE: Serial No. 6342374 09/452,817
CURRENT APPLICATION NUMBER: US/09/452,817
PRIOR APPLICATION NUMBER: 08/474,553
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/050,739
PRIOR FILING DATE: 1993-04-21
PRIOR APPLICATION NUMBER: 07/853,018
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: 07/517,475
PRIOR FILING DATE: 1990-05-01
PRIOR APPLICATION NUMBER: 07/320,923
PRIOR FILING DATE: 1989-03-08
PRIOR APPLICATION NUMBER: 06/784,319
PRIOR FILING DATE: 1985-10-04
PRIOR APPLICATION NUMBER: 06/699,181
PRIOR FILING DATE: 1985-02-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO: 2
LENGTH: 106
TYPE: prt
ORGANISM: Homo sapiens
US-09-452-817-2

Query Match 57.4%; Score 579; DB 4; Length 106;
Best Local Similarity 100.0%; Pred. No. 7e-64;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLODGLLHTTSCFVAPMNSLSAQRGFTKT 106
DB 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLODGLLHTTSCFVAPMNSLSAQRGFTKT 106

RESULT 13

US-08-134-231C-29
Sequence 29, Application US/08134231C
Patent No. 6562596
GENERAL INFORMATION:

APPLICANT: Silbiger, Scott M.
Koski, Raymond A.
TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
Composition and Methods
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESS: Finnegan, Henderson, Farabow, Garrett & Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: USA
ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct-1993
CLASSIFICATION: <Unknown>
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 212 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-08-134-231C-29

Query Match 37.8%; Score 381.5; DB 4; Length 212;
Best Local Similarity 40.1%; Pred. No. 5.3e-39;
Matches 71; Conservative 32; Mismatches 67; Indels 7; Gaps 4;

QY 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 59
DB 25 CTCVPPHPQTAFCSNDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 81
QY 60 VYTPAMESVCGYFHRSHNRSEEFLLAGKLODGLLHTTSCFVAPMNSLSAQRGFTKT 119
DB 82 YITPEASESLGCV--KLEVNRYOYLITGRVYEGKVTGLCNWYERKMDRLTJSORGLNHR 139
QY 120 TVGCECTVFPCLISIPCKLQSGTHCLWTDQLQSGSEKGFQSRHLACLPREPGLCTW 176
DB 140 YHLGC-GCKIRPCTIYLPFCFATSXNCEIWTDLNSFGHGHQAKIYACIQRVGICSW 195

RESULT 14

US-08-134-231C-15
Sequence 15, Application US/08134231C
Patent No. 6562596
GENERAL INFORMATION:

APPLICANT: Silbiger, Scott M.
Koski, Raymond A.
TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
Composition and Methods
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESS: Finnegan, Henderson, Farabow, Garrett & Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: USA
ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct-1993
CLASSIFICATION: <Unknown>
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 198 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: protein
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-134-231C-15

Query Match 37.4%; Score 377.5; DB 4; Length 198;
Best Local Similarity 40.8%; Pred. No. 1.5e-38;
Matches 73; Conservative 33; Mismatches 62; Indels 11; Gaps 5;
QY 1 CTCVPHPTAFNCSDIVIRAKFVGTPEVNO---TTLVQRVEIKTKMYKGFQALGDAD 57
DB 11 CTCSPSHPDACNSDIVIRAKVKGKLVKEGPGFTLV--YTIKQMKMYRGFTKM---PH 65
QY 58 IRFVYTPAMESVCGYFHRSHNRSEFLIAGKLQDGLHITTCSPFAPWNSLSLAQRGFT 117
DB 66 VOYIHTEASESLCGI--KLEVNKXYQLTGRVYDGKMYTGLCNFVERNDQLTLSQRKGLN 123
QY 118 KTYTVGCECTVPCLSIPTCKLQSGTHCLMTDQLLOQSEKGFQSRHLACLPREPGLCTW 176
DB 124 YRYHIGC-NCKIKSCYLLPCFVTSKNECLMTDMLSNFGYPQSGHYACIRQKGYCSW 181

RESULT 15
US-08-588-163-4
Sequence 4, Application US/08588163
Patent No. 5643752
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
METALLOPROTEINASES
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/588,163
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
LENGTH: 211 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-3
US-08-588-163-4

Query Match 37.4%; Score 377.5; DB 1; Length 211;
Best Local Similarity 40.8%; Pred. No. 1.6e-38;
Matches 73; Conservative 33; Mismatches 62; Indels 11; Gaps 5;
QY 1 CTCVPHPTAFNCSDIVIRAKFVGTPEVNO---TTLVQRVEIKTKMYKGFQALGDAD 57
DB 24 CTCSPSHPDACNSDIVIRAKVKGKLVKEGPGFTLV--YTIKQMKMYRGFTKM---PH 78
QY 58 IRFVYTPAMESVCGYFHRSHNRSEFLIAGKLQDGLHITTCSPFAPWNSLSLAQRGFT 117
DB 79 VOYIHTEASESLCGI--KLEVNKXYQLTGRVYDGKMYTGLCNFVERNDQLTLSQRKGLN 136
QY 118 KTYTVGCECTVPCLSIPTCKLQSGTHCLMTDQLLOQSEKGFQSRHLACLPREPGLCTW 176
DB 137 YRYHIGC-NCKIKSCYLLPCFVTSKNECLMTDMLSNFGYPQSGHYACIRQKGYCSW 194

Search completed: July 25, 2003, 12:54:56
Job time: 24.7086 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 25, 2003, 12:53:51 ; Search time 49.4171 Seconds
(without alignments)
442.191 Million cell updates/sec

Title: US-09-987-357-1

Perfect score: 1009
Sequence: 1 CTCVPHPQTAFCNSDLVIR.....ACTPREPGICTWQSLRQIA 184

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 segs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database :
- 1: /cgnt2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
 - 2: /cgnt2_6/ptodata/2/pubpaa/PCF_NEW_PUB.pep.*
 - 3: /cgnt2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgnt2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgnt2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
 - 6: /cgnt2_6/ptodata/2/pubpaa/PCF_US_PUBCOMB.pep.*
 - 7: /cgnt2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 8: /cgnt2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgnt2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
 - 10: /cgnt2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
 - 11: /cgnt2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
 - 12: /cgnt2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
 - 13: /cgnt2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
 - 14: /cgnt2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
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 - 16: /cgnt2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
 - 17: /cgnt2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
 - 18: /cgnt2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1009	100.0	184	US-10-025-514-6	Sequence 6, Appli
2	1009	100.0	207	US-10-116-064-5	Sequence 5, Appli
3	1009	100.0	580	US-10-025-514-10	Sequence 10, Appli
4	1009	100.0	580	US-10-025-514-18	Sequence 18, Appli
5	1005	99.6	207	US-09-731-872-291	Sequence 291, App
6	691	66.5	128	US-10-025-514-24	Sequence 24, Appli
7	682	67.6	127	US-10-025-514-22	Sequence 22, Appli
8	682	67.6	522	US-10-025-514-14	Sequence 14, Appli
9	682	67.6	522	US-10-025-514-20	Sequence 20, Appli
10	667.5	66.2	183	US-09-925-301-1594	Sequence 1594, Ap
11	372	36.9	210	US-10-116-064-4	Sequence 4, Appli
12	369.5	36.6	218	US-10-116-064-3	Sequence 3, Appli
13	358	35.5	85	US-09-925-301-1593	Sequence 1593, Ap
14	351	34.8	224	US-09-901-904-2	Sequence 2, Appli
15	351	34.8	224	US-09-947-715-2	Sequence 2, Appli

16	351	34.8	224	14	US-10-116-064-2	Sequence 2, Appli
17	259.5	25.7	137	15	US-10-106-698-6827	Sequence 6827, Ap
18	241	23.9	91	10	US-09-925-300-1806	Sequence 1806, Ap
19	120	11.9	65	9	US-09-864-761-35200	Sequence 35200, A
20	88	8.7	20	9	US-09-055-671-7	Sequence 7, Appli
21	87	8.6	20	9	US-09-055-671-8	Sequence 8, Appli
22	82	8.1	19	8	US-08-803-954-2	Sequence 4, Appli
23	77	7.6	23	9	US-09-055-671-4	Sequence 10694, A
24	75.5	7.5	292	9	US-09-815-242-10694	Sequence 15, Appli
25	75	7.4	461	9	US-09-899-422-15	Sequence 25, Appli
26	75	7.4	461	10	US-09-898-234-15	Sequence 25, Appli
27	75	7.4	461	10	US-09-899-429A-25	Sequence 15, Appli
28	75	7.4	461	10	US-09-792-356-15	Sequence 308, App
29	73.5	7.3	444	15	US-10-153-668-308	Sequence 6, Appli
30	73	7.2	537	14	US-10-068-674-2	Sequence 20, Appli
31	70.5	7.0	415	9	US-09-826-212-6	Sequence 8, Appli
32	70.5	7.0	415	9	US-09-907-372-20	Sequence 2, Appli
33	70.5	7.0	415	10	US-09-935-727-8	Sequence 20, Appli
34	70.5	7.0	415	11	US-09-917-372-20	Sequence 8, Appli
35	70.5	7.0	415	15	US-10-186-643-6	Sequence 20, Appli
36	70.5	7.0	1588	14	US-10-000-512-2	Sequence 2, Appli
37	69.5	6.9	210	9	US-09-925-301-1185	Sequence 1185, Ap
38	69.5	6.9	533	10	US-09-909-320-332	Sequence 332, App
39	69.5	6.9	533	10	US-09-909-088B-332	Sequence 332, App
40	69.5	6.9	533	10	US-09-905-291A-332	Sequence 332, App
41	69.5	6.9	533	10	US-09-902-853-332	Sequence 332, App
42	69.5	6.9	533	10	US-09-907-824-332	Sequence 332, App
43	69.5	6.9	533	10	US-09-907-841-332	Sequence 332, App
44	69.5	6.9	533	11	US-09-904-011-332	Sequence 332, App
45	69.5	6.9	533	11	US-09-906-742-332	Sequence 332, App

ALIGNMENTS

RESULT 1
US-10-025-514-6
; Sequence 6, Application US/10025514
; Publication No. US20030073217A1
GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 368292000200
; CURRENT APPLICATION NUMBER: US/10/025,514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-6
Query Match 100.0%; Score 1009; DB 15; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.1e-103;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCVPHPQTAFCNSDLVIRAKFYGTPEVNTLYORYEIKMTMYKGFQALGDAADIRF 60
DB 1 CTCVPHPQTAFCNSDLVIRAKFYGTPEVNTLYORYEIKMTMYKGFQALGDAADIRF 60
QY VYTPAMSVGCVYFRRSHNRSEEPILAKLDDGLHITTCSSVAPWNSLSLAORGFTKTY 120
DB 61 VYTPAMSVGCVYFRRSHNRSEEPILAKLDDGLHITTCSSVAPWNSLSLAORGFTKTY 120
QY 121 TVGCECTVFPCLSLIPCKLQSGTHCLWTDLLQSGSEKGFQSRHLACLPREPGICTWQSLR 180

Db 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGLCTWQSLR 180
QY 181 SO1A 184
Db 181 SO1A 184

RESULT 2

US-10-116-064-5
Sequence 5, Application US/10116064
Publication No. US20020115187A1
GENERAL INFORMATION:

APPLICANT: GREENE, JOHN M
ROSEN, CRAIG

TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE

STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/116,064
FILING DATE: 05-Apr-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/262,087
FILING DATE: 04-MAR-1999

APPLICATION NUMBER: PCT/US94/14498
FILING DATE: 13-FEB-1994

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-10-116-064-5

Query Match 100.0%; Score 1009; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.2e-103;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPOTAFCSNDLVIRAKFVGTPEVNOTTLVQRYEIKMTKMYKGFQALGDADIRF 60
Db 24 CTCVPPHPOTAFCSNDLVIRAKFVGTPEVNOTTLVQRYEIKMTKMYKGFQALGDADIRF 83
QY 61 VTPPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSPFAPVNSLSLAQRGFTKTY 120
Db 84 VTPPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSPFAPVNSLSLAQRGFTKTY 143
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGLCTWQSLR 180
Db 144 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGLCTWQSLR 203
QY 181 SO1A 184
Db 204 SO1A 207

RESULT 3

US-10-025-514-10
Sequence 10, Application US/10025514

Publication No. US20030073217A1
GENERAL INFORMATION:
APPLICANT: Philip J. BARR
APPLICANT: Helen GIBSON
APPLICANT: Philip PEMBERTON
TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
FILE REFERENCE: 368292000200
CURRENT APPLICATION NUMBER: US/10/025,514
PRIOR FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: U.S. 60/256,699
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: U.S. 60/331,966
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 580
TYPE: PRT
ORGANISM: Homo sapiens
US-10-025-514-10

Query Match 100.0%; Score 1009; DB 15; Length 580;
Best Local Similarity 100.0%; Pred. No. 4.7e-103;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPOTAFCSNDLVIRAKFVGTPEVNOTTLVQRYEIKMTKMYKGFQALGDADIRF 60
Db 2 CTCVPPHPOTAFCSNDLVIRAKFVGTPEVNOTTLVQRYEIKMTKMYKGFQALGDADIRF 61
QY 61 VTPPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSPFAPVNSLSLAQRGFTKTY 120
Db 62 VTPPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSPFAPVNSLSLAQRGFTKTY 121
QY 121 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGLCTWQSLR 180
Db 122 TVGCECTVFPCLSTIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGLCTWQSLR 181
QY 181 SO1A 184
Db 182 SO1A 185

RESULT 4

US-10-025-514-18
Sequence 18, Application US/10025514
Publication No. US20030073217A1

GENERAL INFORMATION:
APPLICANT: Philip J. BARR

APPLICANT: Helen GIBSON
APPLICANT: Philip PEMBERTON

TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
FILE REFERENCE: 368292000200

CURRENT APPLICATION NUMBER: US/10/025,514
PRIOR FILING DATE: 2002-04-03

PRIOR APPLICATION NUMBER: U.S. 60/256,699
PRIOR FILING DATE: 2000-12-18

PRIOR APPLICATION NUMBER: U.S. 60/331,966
PRIOR FILING DATE: 2001-11-20

NUMBER OF SEQ ID NOS: 33

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18

LENGTH: 580
TYPE: PRT

ORGANISM: Homo sapiens
US-10-025-514-18

Query Match 100.0%; Score 1009; DB 15; Length 580;
Best Local Similarity 100.0%; Pred. No. 4.7e-103;

Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPOTAFCSNDLVIRAKFVGTPEVNOTTLVQRYEIKMTKMYKGFQALGDADIRF 60

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Db 397 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 456
Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 120
Db 457 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 516
Qy 121 TVGCECTVFPCLSIIPCKLOSGTHCLMTDQLQSGSEKGFQSHRLACLPREPGLCTWOSIR 180
Db 517 TVGCECTVFPCLSIIPCKLOSGTHCLMTDQLQSGSEKGFQSHRLACLPREPGLCTWOSIR 576
Qy 181 SQIA 184
Db 577 SQIA 580
```

RESULT 5
US-09-731-872-291
Sequence 291, Application US/09731872
Patent No. US20020102604A1

GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, Jean Baptiste
APPLICANT: Bouquelere, Lydie
TITLE OF INVENTION: FULL-LENGTH HUMAN CDNA ENCODING POTENTIALLY SECRETED PROTEINS
FILE REFERENCE: 78. US3. REG
CURRENT APPLICATION NUMBER: US/09/731,872
CURRENT FILING DATE: 2000-12-07
PRIOR APPLICATION NUMBER: US 60/169,629
PRIOR FILING DATE: 1999-12-08
PRIOR APPLICATION NUMBER: US 60/187,470
PRIOR FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 482
SOFTWARE: Patent.pm
SEQ ID NO 291
LENGTH: 207
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -23...-1
US-09-731-872-291

Query Match 99.6%; Score 1005; DB 10; Length 207;
Best Local Similarity 99.5%; Pred. No. 3.5e-103;
Matches 183; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 1 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
Db 24 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 83
Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 120
Db 84 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 143
Qy 121 TVGCECTVFPCLSIIPCKLOSGTHCLMTDQLQSGSEKGFQSHRLACLPREPGLCTWOSIR 180
Db 144 TVGCECTVFPCLSIIPCKLOSGTHCLMTDQLQSGSEKGFQSHRLACLPREPGLCTWOSIR 203
Qy 181 SQIA 184
Db 204 SQIA 207
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RESULT 6
US-10-025-514-24
Sequence 24, Application US/10025514
Publication No. US20030073217A1
GENERAL INFORMATION:
APPLICANT: Philip J. BARR
APPLICANT: Helen GIBSON
APPLICANT: Philip PEMBERTON
TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND

TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
FILE REFERENCE: 368292000200
CURRENT APPLICATION NUMBER: US/10/025,514
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: U.S. 60/256,699
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: U.S. 60/331,966
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 24
LENGTH: 128
TYPE: PRT
ORGANISM: Homo sapiens
US-10-025-514-24

Query Match 68.5%; Score 691; DB 15; Length 128;
Best Local Similarity 100.0%; Pred. No. 1e-68;
Matches 127; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
Db 2 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 61
Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 120
Db 62 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 121
Qy 121 TVGCEC 127
Db 122 TVGCEC 128
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RESULT 7
US-10-025-514-22
Sequence 22, Application US/10025514
Publication No. US20030073217A1
GENERAL INFORMATION:
APPLICANT: Philip J. BARR
APPLICANT: Helen GIBSON
APPLICANT: Philip PEMBERTON
TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
FILE REFERENCE: 368292000200
CURRENT APPLICATION NUMBER: US/10/025,514
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: U.S. 60/256,699
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: U.S. 60/331,966
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 22
LENGTH: 127
TYPE: PRT
ORGANISM: Homo sapiens
US-10-025-514-22

Query Match 67.6%; Score 682; DB 15; Length 127;
Best Local Similarity 100.0%; Pred. No. 1e-67;
Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
Db 2 CTCVPHQTAFCNSDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 61
Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 120
Db 62 VYTPMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWNSLSLAQRGFTTKY 121
Qy 121 TVGCEC 126
Db 122 TVGCEC 127
```

RESULT 8

US-10-025-514-14
; Sequence 14, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; FILE REFERENCE: 36829200200
; CURRENT APPLICATION NUMBER: US/10/025,514
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-14

Query Match 67.6%; Score 682; DB 15; Length 522;
Best Local Similarity 100.0%; Pred. No. 6,2e-67;
Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 60
DB 2 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 61
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 120
DB 62 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 121
QY 121 TVGCEE 126
DB 122 TVGCEE 127

RESULT 9

US-10-025-514-20
; Sequence 20, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; FILE REFERENCE: 36829200200
; CURRENT APPLICATION NUMBER: US/10/025,514
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-20

Query Match 67.6%; Score 682; DB 15; Length 522;
Best Local Similarity 100.0%; Pred. No. 6,2e-67;
Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 60
DB 397 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 456
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 120
DB 457 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 516
QY 121 TVGCEE 126
DB 517 TVGCEE 522

RESULT 10

US-09-925-301-1594
; Sequence 1594, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1594
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (80)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (107)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (122)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (136)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (151)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (152)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (160)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1594

Query Match 66.2%; Score 667.5; DB 9; Length 183;
Best Local Similarity 86.4%; Pred. No. 6,6e-66;
Matches 127; Conservative 1; Mismatches 18; Indels 1; Gaps 1;

QY 1 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 60
DB 37 CTCVPHPQTAFNCNSDLVIRAKFVGTPENVQNTLLYQRYEIKMTKMYKGFQALGDADIRF 96
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 120
DB 97 VYTPAMESVCGYFHRSHNRSEEFLLIAGKLDGDLHITTCSPVAPNNSLSLAQRGFTKTY 156
QY 121 TVGCEE--TVPCSLIPCKLQSGTHCL 146
DB 157 TVGXEEMKCFVYPSPANCRVGHCL 183

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1 STATE: MD
2 COUNTRY: USA
3 ZIP: 20850
4
5 COMPUTER READABLE FORM:
6 MEDIUM TYPE: Floppy disk
7 COMPUTER: IBM PC compatible
8 OPERATING SYSTEM: PC-DOS/MS-DOS
9 SOFTWARE: Patentin Release #1.0, Version #1.30
10
11 CURRENT APPLICATION DATA:
12 APPLICATION NUMBER: US/10/116,064
13 FILING DATE: 05-Apr-2002
14 CLASSIFICATION: <Unknown>
15
16 PRIOR APPLICATION DATA:
17 APPLICATION NUMBER: 09/262,087
18 FILING DATE: 04-MAR-1999
19 APPLICATION NUMBER: PCT/US94/14498
20 FILING DATE: 13-FEB-1994
21
22 INFORMATION FOR SEQ ID NO: 3:
23 SEQUENCE CHARACTERISTICS:
24 LENGTH: 218 amino acids
25 TYPE: amino acid
26 STRANDEDNESS: single
27 TOPOLOGY: linear
28
29 MOLECULE TYPE: protein
30 SEQUENCE DESCRIPTION: SEQ ID NO: 3:
31 US-10-116-064-3
32
33 Query Match 36.6%; Score 369.5; DB 14; Length 218;
34 Best Local Similarity 41.0%; Pred. No.7,8e-33;
35 Matches 75; Conservative 28; Mismatches 65; Indels 15; Gaps 6
36
37 QY 1 CTCVPHPOTAFCSNDLVIRAKVGTPEVNO-----TTLVQRYEIKMTQYKGFQALGD 54
38 Db 27 CSCSPHPPOAACNDADVIRAKAVSEKVDGNDIYGNPIKRIYEIKI-KMFK-----GP 80
39
40 QY 55 AADIRRVYPMANESQGYFHRSHNSSEFLIAGLQ-Q-DGLIHITTCSPVAPMWSLSAQR 113
41 Db 81 EKDIIEITYAPSSAVCG-VSLDVGSKKEYILAGAGBGKRMHITLCPYIEMDTLSTTK 139
42
43 QY 114 RGFTKTYTGCCECTVPCLSIPCKLQSGTHCLMTDQLQSGSEKGFQSRHLACLPREPGL 173
44 Db 140 KSLNHRHYQMG-CCKITRCPMPCYIISPDECLMMDMWTEKNINGHQAQFPACKIKRSDGS 198
45
46 QY 174 CTW 176
47 Db 199 CAW 201
48
49 RESULT 13
50 US-09-925-301-1593
51 Sequence 1593, Application US/09925301
52 Patent No. US20020052308A1
53 GENERAL INFORMATION:
54 APPLICANT: Rosen et al.
55 TITLE OF INVENTION: Nucleic acids, proteins and Antibodies
56 FILE REFERENCE: PA106
57 CURRENT APPLICATION NUMBER: US/09/925,301
58 CURRENT FILING DATE: 2001-08-10
59 PRIOR APPLICATION NUMBER: PCT/US00/05882
60 PRIOR FILING DATE: 2000-03-08
61 PRIOR APPLICATION NUMBER: 60/124,270
62 PRIOR FILING DATE: 1998-03-12
63 NUMBER OF SEQ ID NOS: 1694
64 SOFTWARE: Patentin Ver. 2.0
65 SEQ ID NO 1593
66 LENGTH: 85
67 TYPE: PRT
68 ORGANISM: Homo sapiens
69 FEATURE:
70 NAME/KEY: SITE
71 LOCATION: (17)
72 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
73 NAME/KEY: SITE

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LOCATION: (25)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (31)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (33)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (47)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (56)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (60)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (62)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (79)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1593

Query Match
Best Local Similarity 87.2%; Pred. No. 4.3e-32;
Matches 68; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 107 SLSLAORRGFTYVGCCECTVFPCLSPCKLQSGTHCLMTDQLQSGEKGFQSRHLAC 166

Db 8 SLSLAORRGFTYVGCCECTVFPCLSPCKLQSGTHCLMTDQLQSGEKGFQSRHLAC 67

Qy 167 LREPGLCTWQSLRSGIA 184
Db 68 LREPGLCTWQSLRSGIA 85

RESULT 14
US-09-901-904-2

Sequence 2, Application US/09901904
Patent No. US20020055158A1
GENERAL INFORMATION:
APPLICANT: Greene et al.
TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
FILE REFERENCE: PFI48P2
CURRENT APPLICATION NUMBER: US/09/901,904
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: US 60/220,829
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: US 60/217,419
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: US 09/387,525
PRIOR FILING DATE: 1999-09-01
PRIOR APPLICATION NUMBER: US 08/463,261
PRIOR FILING DATE: 1995-06-01
PRIOR APPLICATION NUMBER: PCT/US94/14498
PRIOR FILING DATE: 1994-12-13
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
US-09-901-904-2

Query Match
Best Local Similarity 34.8%; Score 351; DB 9; Length 224;
Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;

Qy 1 CTCVPHPQTAFQNSDLVIRAKF-----VGTPEVNQTTLYQRYEIKMTKTKYKGFQALGD 54
Db 30 CSCAPAHPOOHICHSAIVIRAKISSEKVPASADPADTEKMLRYEIKQIKMFKGFQEV-- 87

Qy 55 AADIRFVTPMSEVCGYFHRSHNRSEFLIAGK-LQDGLHITTCSEVAPNNSLSLAQR 113
Db 88-KDQVYITTPDSSICG-VKLEANSQKQYLITGVLSGKVFHICNTIIEFREDLSLVQR 145
Qy 114 RGFRTYVGCCECTVFPCLSPCKLQSGTHCLMTDQLQSGEKGFQSRHLACLPREPGL 173
Db 146 ESLNHHYHLNC-GCQITTCYTVPTISAPNECLMTDMLERKLYGYQAHYVCMKHVDGT 204
Qy 174 CTW 176
Db 205 CSW 207

RESULT 15
US-09-947-715-2
Sequence 2, Application US/09947715
Patent No. US20020103122A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Methods of Treatment and Prevention of Restenosis
FILE REFERENCE: PFI17P1
CURRENT APPLICATION NUMBER: US/09/947,715
CURRENT FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: PCT/US00/06279
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 09/266,424
PRIOR FILING DATE: 1999-03-11
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
US-09-947-715-2

Query Match
Best Local Similarity 36.6%; Score 351; DB 10; Length 224;
Matches 67; Conservative 33; Mismatches 71; Indels 12; Gaps 5;

Qy 1 CTCVPHPQTAFQNSDLVIRAKF-----VGTPEVNQTTLYQRYEIKMTKTKYKGFQALGD 54
Db 30 CSCAPAHPOOHICHSAIVIRAKISSEKVPASADPADTEKMLRYEIKQIKMFKGFQEV-- 87
Qy 55 AADIRFVTPMSEVCGYFHRSHNRSEFLIAGK-LQDGLHITTCSEVAPNNSLSLAQR 113
Db 88-KDQVYITTPDSSICG-VKLEANSQKQYLITGVLSGKVFHICNTIIEFREDLSLVQR 145
Qy 114 RGFRTYVGCCECTVFPCLSPCKLQSGTHCLMTDQLQSGEKGFQSRHLACLPREPGL 173
Db 146 ESLNHHYHLNC-GCQITTCYTVPTISAPNECLMTDMLERKLYGYQAHYVCMKHVDGT 204
Qy 174 CTW 176
Db 205 CSW 207

Search completed: July 25, 2003, 13:08:11
Job time : 51.4171 secs

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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:38:05 ; Search time 14.2343 seconds

(without alignments)
315.081 Million cell updates/sec

Title: US-09-987-357-2

Perfect score: 579

Sequence: 1 CTCVPPHPQTAFCNSDLVIR.....GKLQDGLHITTCFVAAPWN 106

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents, AA:*
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2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS.COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	579	100.0	106	4	US-09-452-817-2 Sequence 2, Appl1
2	579	100.0	184	4	US-09-452-817-1 Sequence 1, Appl1
3	579	100.0	207	1	US-08-588-163-5 Sequence 5, Appl1
4	579	100.0	207	2	US-09-111-070-5 Sequence 5, Appl1
5	579	100.0	207	4	US-08-849-764C-5 Sequence 5, Appl1
6	579	100.0	207	4	US-09-262-087-5 Sequence 5, Appl1
7	579	100.0	207	4	US-08-463-261B-11 Sequence 11, Appl1
8	579	100.0	207	4	US-09-540-530-1 Sequence 11, Appl1
9	579	100.0	207	4	US-08-134-231C-23 Sequence 23, Appl1
10	508	87.7	207	4	US-08-134-231C-23 Sequence 23, Appl1
11	507	87.6	205	4	US-08-134-231C-24 Sequence 24, Appl1
12	458	79.1	205	4	US-08-134-231C-25 Sequence 25, Appl1
13	234	40.4	220	1	US-08-588-163-3 Sequence 3, Appl1
14	234	40.4	220	2	US-09-111-070-3 Sequence 3, Appl1
15	234	40.4	220	4	US-09-540-530-2 Sequence 3, Appl1
16	234	40.4	220	4	US-08-134-231C-27 Sequence 27, Appl1
17	233	40.2	171	4	US-08-134-231C-28 Sequence 28, Appl1
18	227	33.2	220	4	US-08-134-231C-26 Sequence 26, Appl1
19	226	33.0	218	4	US-08-849-764C-3 Sequence 3, Appl1
20	226	33.0	218	4	US-09-262-087-3 Sequence 3, Appl1
21	226	33.0	218	4	US-08-463-261B-9 Sequence 9, Appl1
22	218	37.7	212	4	US-08-134-231C-29 Sequence 29, Appl1
23	215	37.1	198	4	US-08-134-231C-15 Sequence 15, Appl1
24	215	37.1	211	1	US-08-588-163-4 Sequence 4, Appl1
25	215	37.1	211	2	US-09-111-070-4 Sequence 4, Appl1
26	215	37.1	211	4	US-09-540-530-3 Sequence 3, Appl1
27	215	37.1	211	4	US-08-134-231C-13 Sequence 13, Appl1

28	209.5	36.2	210	4	US-08-849-764C-4	Sequence 4, Appl1
29	209.5	36.2	210	4	US-09-262-087-4	Sequence 4, Appl1
30	209.5	36.2	210	4	US-08-463-261B-10	Sequence 10, Appl1
31	201.5	34.8	224	1	US-08-588-163-2	Sequence 2, Appl1
32	201.5	34.8	224	2	US-09-111-070-2	Sequence 2, Appl1
33	201.5	34.8	224	4	US-08-849-764C-2	Sequence 2, Appl1
34	201.5	34.8	224	4	US-09-262-087-2	Sequence 2, Appl1
35	201.5	34.8	224	4	US-08-463-261B-2	Sequence 2, Appl1
36	201.5	34.8	224	4	US-09-540-530-4	Sequence 4, Appl1
37	201.5	34.8	224	4	US-09-901-904-2	Sequence 2, Appl1
38	201.5	34.8	224	5	PCT-US94-14498A-2	Sequence 2, Appl1
39	124	21.4	25	2	US-08-474-696A-2	Sequence 2, Appl1
40	116.5	20.1	164	4	US-08-134-231C-17	Sequence 17, Appl1
41	105	18.1	22	2	US-08-474-696A-5	Sequence 5, Appl1
42	105	18.1	22	2	US-08-474-696A-6	Sequence 6, Appl1
43	105	18.1	25	2	US-08-474-696A-4	Sequence 4, Appl1
44	77	13.3	16	2	US-08-480-130-134	Sequence 134, App
45	77	13.3	16	2	US-08-488-379-134	Sequence 134, App

ALIGNMENTS

RESULT 1
US-09-452-817-2

Sequence 2, Application US/09452817

Patent No. 6342374

GENERAL INFORMATION:

APPLICANT: Carmichael, David F

APPLICANT: Anderson, David C

APPLICANT: Stricklin, George P

APPLICANT: Welgus, Howard G

TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System

TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For

FILE REFERENCE: Serial No. 6342374 09/452, 817

CURRENT FILING DATE: 2001-06-22

PRIOR APPLICATION NUMBER: 08/474,553

PRIOR FILING DATE: 1995-06-07

PRIOR APPLICATION NUMBER: 08/050,739

PRIOR FILING DATE: 1993-04-21

PRIOR APPLICATION NUMBER: 07/853,018

PRIOR FILING DATE: 1992-03-18

PRIOR APPLICATION NUMBER: 07/517,475

PRIOR FILING DATE: 1990-05-01

PRIOR APPLICATION NUMBER: 07/320,923

PRIOR FILING DATE: 1989-03-08

PRIOR APPLICATION NUMBER: 06/784,319

PRIOR FILING DATE: 1985-10-04

PRIOR APPLICATION NUMBER: 06/699,181

PRIOR FILING DATE: 1985-02-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: Patent Ver. 2.0

SEQ ID NO 2

LENGTH: 106

TYPE: PRT

ORGANISM: Homo sapiens

US-09-452-817-2

Query Match

Best local similarity

Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

1 CTCVPPHPQTAFCNSDLVIRKAVGTPEVNTTYORREIMTKYKGFALGDAADIRF 60

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RESULT 2
US-09-452-817-1
; Sequence 1, Application US/09452817
; Patent No. 6342374
; GENERAL INFORMATION:
; APPLICANT: Carmichael, David F
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Welgus, Howard G
; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
; FILE REFERENCE: Serial No. 6342374 09/452,817
; CURRENT APPLICATION NUMBER: US/09/452,817
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 08/474,553
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/050,739
; PRIOR FILING DATE: 1993-04-21
; PRIOR APPLICATION NUMBER: 07/853,018
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: 07/517,475
; PRIOR FILING DATE: 1990-05-01
; PRIOR APPLICATION NUMBER: 07/320,923
; PRIOR FILING DATE: 1989-03-08
; PRIOR APPLICATION NUMBER: 06/784,319
; PRIOR FILING DATE: 1985-10-04
; PRIOR APPLICATION NUMBER: 06/599,181
; PRIOR FILING DATE: 1985-02-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-452-817-1

Query Match          100.0%; Score 579; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 9,7e-71;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTCVPHHPQTACNSDLVIRAKVGTPEVNQTTLYQRYEIKTKTKYKGFQALGDADIRF 60
DB      1 CTCVPHHPQTACNSDLVIRAKVGTPEVNQTTLYQRYEIKTKTKYKGFQALGDADIRF 60

QY      61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWN 106
DB      61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWN 106

RESULT 3
US-08-588-163-5
; Sequence 5, Application US/08588163
; Patent No. 5643752
; GENERAL INFORMATION:
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Murry, Lynn E.
; TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
; TITLE OF INVENTION: METALLOPROTEINASES
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
```

```
APPLICATION NUMBER: US/08/588,163
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
US-08-588-163-5

Query Match          100.0%; Score 579; DB 1; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTCVPHHPQTACNSDLVIRAKVGTPEVNQTTLYQRYEIKTKTKYKGFQALGDADIRF 60
DB      24 CTCVPHHPQTACNSDLVIRAKVGTPEVNQTTLYQRYEIKTKTKYKGFQALGDADIRF 83

QY      61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWN 106
DB      84 VTPPAMESVCGYFHRSHNRSEEFLLAGKLODGLHITTCSFVAPWN 129

RESULT 4
US-09-111-070-5
; Sequence 5, Application US/09111070
; Patent No. 5914392
; GENERAL INFORMATION:
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Murry, Lynn E.
; TITLE OF INVENTION: A NOVEL TISSUE INHIBITOR OF
; TITLE OF INVENTION: METALLOPROTEINASES
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,070
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/588,163
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Luther, Barbara J.
; REGISTRATION NUMBER: 33,954
; REFERENCE/DOCKET NUMBER: PF-0053
; TELECOMMUNICATION INFORMATION:
```

TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: METALLOPROTEINASES
CLONE: TIMP-1
US-09-111-070-5

Query Match 100.0%; Score 579; DB 2; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
DB 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 129

RESULT 5

US-08-849-764C-5
Sequence 5, Application US/08849764C
Patent No. 6300310
GENERAL INFORMATION:

APPLICANT: GREENE, JOHN M
ROSEN, CRAIG
TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,764C
FILING DATE: 19-Sep-1997
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MICHELE M. WALES
REGISTRATION NUMBER: 43,975
REFERENCE/DOCKET NUMBER: PFI48US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-08-849-764C-5

Query Match 100.0%; Score 579; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70;

Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
DB 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 129

RESULT 6

US-09-262-087-5
Sequence 5, Application US/09262087
Patent No. 6391853
GENERAL INFORMATION:

APPLICANT: GREENE, JOHN M
ROSEN, CRAIG
TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/262,087
FILING DATE: 04-MAR-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/463,261
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/14498
FILING DATE: 13-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: A. ANDERS BROOKES
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PFI48PID1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-262-087-5

Query Match 100.0%; Score 579; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-70;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPHQTAFCNSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
DB 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 129

RESULT 7

```

US-08-463-261B-11
; Sequence 11, Application US/08463261B
; Patent No. 6448042
; GENERAL INFORMATION:
; APPLICANT: John M. Greene and Craig A. Rosen
; TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MARYLAND
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,261B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/14498
; FILING DATE: 13-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: KENLEY K. HOOVER
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PF148P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-610-5790
; TELEFAX: 301-610-8439
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-463-261B-11

Query Match 100.0%; Score 579; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1,1e-70;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

QY 1 CTCVPPHQTAFCNSDLVIRAKFVGTPEVNOQTLTYQRYEIKMTKMYKKGQALGDAADIRF 60
Db 24 CTCVPPHQTAFCNSDLVIRAKFVGTPEVNOQTLTYQRYEIKMTKMYKKGQALGDAADIRF 83
QY 61 VYTPAMESVCGYFHRSHNRSEFFLIGKLODGLHITTCSPYAPNN 106
Db 84 VYTPAMESVCGYFHRSHNRSEFFLIGKLODGLHITTCSPYAPNN 129

RESULT 8
US-09-540-530-1
; Sequence 1, Application US/09540530
; Patent No. 6534635
; GENERAL INFORMATION:
; APPLICANT: Miyazaki, Kaoru
; APPLICANT: Higashi, Shouichi
; TITLE OF INVENTION: MODIFIED TIMP
; FILE REFERENCE: 159-57
; CURRENT APPLICATION NUMBER: US/09/540,530
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: JP 95142/1999
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 207
; TYPE: PRT

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: modified TIMP
US-09-540-530-1
Query Match
Best Local Similarity 100.0%; Score 579; DB 4; Length 207;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0
QY
1 CTCVPPHPQAFNCNSDLVIRAKFVGTEPVNQTLLYORYEIKMTKMYKGFQALGDAADIRF 60
24 CTCVPPHPQAFNCNSDLVIRAKFVGTEPVNQTLLYORYEIKMTKMYKGFQALGDAADIRF 83
DB
61 VYTPAMESVCGYFFRSHNRSEEFILAGLQDGLLHITTCSFVAAPN 106
84 VYTPAMESVCGYFFRSHNRSEEFILAGLQDGLLHITTCSFVAAPN 129
RESULT 9
US-08-134-231C-23
; Sequence 23, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
APPLICANT: Silbiger, Scott M.
Koski, Raymond A.
TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
Three (TIMP-3) Composition and Methods
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESS: Finnegan, Henderson, Farabow, Garrett & Dunner
STREET: 1100 I Street, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,231C
FILING DATE: 06-Oct-1993
CLASSIFICATION: <Unknown>
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 207 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-08-134-231C-23
Query Match
Best Local Similarity 100.0%; Score 579; DB 4; Length 207;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0,
QY
1 CTCVPPHPQAFNCNSDLVIRAKFVGTEPVNQTLLYORYEIKMTKMYKGFQALGDAADIRF 60
24 CTCVPPHPQAFNCNSDLVIRAKFVGTEPVNQTLLYORYEIKMTKMYKGFQALGDAADIRF 83
DB
61 VYTPAMESVCGYFFRSHNRSEEFILAGLQDGLLHITTCSFVAAPN 106
84 VYTPAMESVCGYFFRSHNRSEEFILAGLQDGLLHITTCSFVAAPN 129
RESULT 10
US-08-134-231C-22
; Sequence 22, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
APPLICANT: Silbiger, Scott M.

```

```

;
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
;
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
;
; ZIP: 20005
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,231C
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-08-134-231C-22

Query Match      87.7%; Score 508; DB 4; Length 207;
Best Local Similarity 86.8%; Pred. No. 5,3e-61;
Matches 92; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 CTCVPHQOTAFCSNDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPHQOTAFCSNDLVIRAKFVGTAENVETALYQRYEIKMTKMYKGFQALGDAADIRF 83

QY 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 106
DB 84 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 129

RESULT 11
US-08-134-231C-24
; Sequence 24, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
;
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
;
; ZIP: 20005
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,231C
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 206 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-08-134-231C-24
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;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-08-134-231C-24

Query Match      87.6%; Score 507; DB 4; Length 206;
Best Local Similarity 86.8%; Pred. No. 7,2e-61;
Matches 92; Conservative 5; Mismatches 9; Indels 0; Gaps 0;

QY 1 CTCVPHQOTAFCSNDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 24 CTCVPHQOTAFCSNDLVIRAKFVGAPENVHTTLYQRYEIKMTKMYKGFQALGDAADIRF 83

QY 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 106
DB 84 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 129

RESULT 12
US-08-134-231C-25
; Sequence 25, Application US/08134231C
; Patent No. 6562596
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
;
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
;
; ZIP: 20005
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,231C
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-08-134-231C-25

Query Match      79.1%; Score 458; DB 4; Length 205;
Best Local Similarity 74.3%; Pred. No. 3,4e-54;
Matches 78; Conservative 17; Mismatches 10; Indels 0; Gaps 0;

QY 1 CTCVPHQOTAFCSNDLVIRAKFVGTPVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
DB 25 CSCAPPHQOTAFCSNDLVIRAKFVGSPENITLYQRYEIKMTKMYKGFQALGDAADIRF 84

QY 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 105
DB 85 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSFVAPWN 129

RESULT 13
US-08-163-3
; Sequence 3, Application US/08588163
; Patent No. 5643752
; GENERAL INFORMATION:
; APPLICANT: Silbiger, Scott M.
; TITLE OF INVENTION: Tissue Inhibitor Metalloproteinase Type
; Three (TIMP-3) Composition and Methods
;
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: District of Columbia
; COUNTRY: USA
;
; ZIP: 20005
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/163,3
; FILING DATE: 06-Oct-1993
; CLASSIFICATION: <Unknown>
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 206 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-08-163-3
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      ZIP: 94304
      COMPUTER READABLE FORM:
      MEDIUM TYPE: Diskette
      COMPUTER: IBM Compatible
      OPERATING SYSTEM: DOS
      SOFTWARE: FastSeq Version 1.5
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/111,070
      FILING DATE:
      CLASSIFICATION:
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: 08/588,163
      FILING DATE:
      ATTORNEY/AGENT INFORMATION:
      NAME: Luther, Barbara J.
      REGISTRATION NUMBER: 33,954
      REFERENCE/DOCKET NUMBER: PF-0053
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: 415-855-0555
      TELEFAX: 415-852-0195
      TELEX:
      INFORMATION FOR SEQ ID NO: 3:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 220 amino acids
      TYPE: amino acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: peptide
      IMMEDIATE SOURCE:
      LIBRARY: METALLOPROTEINASES
      CLONE: TIMP-2
US-09-111-070-3

Query Match          40.4%; Score 234; DB 2; Length 220;
Best Local Similarity 44.7%; Pred. No. 1,2e-23;
Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;

Oy      1 CTCGPPHPOTAFNCSDIVIRAKPVGTFEYVNO--TTLYQ-----RYETKMTMYKGFPOLG 53
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Db      27 CCGCPVPDQAPFCADVAVIRAKAVSEKVDSGNDIYNPIKRIOYEIKQIMFR----G 81

Oy      54 DAADIRFVVTPAMESVCGYFHRSNHRSEEFLLAGKLQ-DGLLHTTCSFVAPWN 106
       ||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||
Db      82 PENDIEFTYTPASSAVCG-VSLDVGGKEYLIAKAGDGDMHTTLDFIVPWD 134

RESULT 15
US-09-540-530-2
Sequence 2, Application US/09540530
Patent No. 6534635
GENERAL INFORMATION:
APPLICANT: Miyazaki, Kaoru
APPLICANT: Higashi, Shouichi
TITLE OF INVENTION: MODIFIED TIMP
FILE REFERENCE: 159-57
CURRENT APPLICATION NUMBER: US/09/540,530
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: JP 95142/1999
PRIOR FILING DATE: 1999-04-01
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 220
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: modified TIMP
US-09-540-530-2

Query Match          40.4%; Score 234; DB 4; Length 220;
Best Local Similarity 44.7%; Pred. No. 1,2e-23;
Matches 51; Conservative 15; Mismatches 34; Indels 14; Gaps 5;
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Mon Jul 28 11:18:17 2003

us-09-987-357-2.rai

Page 7

[illegible]

Search completed: July 25, 2003, 12:54:57
Job time : 15.2343 secs

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OM protein - protein search, using sw model

Run on: July 25, 2003, 12:53:51 ; Search time 28.4686 Seconds
(without alignments)
442.191 Million cell updates/sec

Title: US-09-987-357-2

Perfect score: 579
Sequence: 1 CTCVPHPHQTAFCNSDLVIR.....GKLQDLHLITTCSEFVAPWN 106

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA.*
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3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	579	100.0	127	US-10-025-514-22	Sequence 22, Appli
2	579	100.0	128	US-10-025-514-24	Sequence 24, Appli
3	579	100.0	184	US-10-025-514-6	Sequence 6, Appli
4	579	100.0	207	US-09-731-872-291	Sequence 291, App
5	579	100.0	207	US-10-116-064-5	Sequence 14, Appli
6	579	100.0	522	US-10-025-514-14	Sequence 14, Appli
7	579	100.0	522	US-10-025-514-20	Sequence 20, Appli
8	579	100.0	580	US-10-025-514-10	Sequence 10, Appli
9	579	100.0	183	US-10-025-514-18	Sequence 18, Appli
10	558	96.4	183	US-09-925-301-1594	Sequence 1594, Ap
11	226	39.0	218	US-10-116-064-3	Sequence 3, Appli
12	209.5	36.2	210	US-10-116-064-4	Sequence 4, Appli
13	201.5	34.8	224	US-09-901-904-2	Sequence 2, Appli
14	201.5	34.8	224	US-09-947-715-2	Sequence 2, Appli
15	201.5	34.8	224	US-10-116-064-2	Sequence 2, Appli

16	116	20.0	137	15	US-10-106-698-6827	Sequence 6827, Ap
17	91	15.7	91	10	US-09-925-300-1806	Sequence 1806, Ap
18	88	15.2	20	9	US-09-055-671-7	Sequence 7, Appli
19	87	15.0	20	9	US-09-055-671-8	Sequence 8, Appli
20	82	14.2	19	8	US-08-803-954-2	Sequence 2, Appli
21	77	13.3	20	9	US-09-055-671-4	Sequence 4, Appli
22	66.5	11.5	490	9	US-09-815-242-12102	Sequence 12102, A
23	66	11.4	572	10	US-09-986-632-4	Sequence 4, Appli
24	64	11.1	292	9	US-09-815-242-10694	Sequence 10694, A
25	64	11.1	1035	15	US-10-205-823-373	Sequence 373, App
26	62	10.7	10	15	US-10-185-815-93	Sequence 93, Appli
27	61.5	10.6	562	15	US-10-128-714-3012	Sequence 3012, Ap
28	61.5	10.6	562	15	US-10-128-714-8012	Sequence 8012, Ap
29	61	10.5	444	15	US-10-153-668-308	Sequence 308, Appli
30	61	10.5	2549	11	US-09-950-634-3	Sequence 3, Appli
31	60.5	10.4	534	9	US-09-804-156-14	Sequence 14, Appli
32	60.5	10.4	534	10	US-09-946-633-6	Sequence 6, Appli
33	60.5	10.4	534	14	US-10-125-459-6	Sequence 6, Appli
34	60.5	10.4	534	14	US-10-067-761-14	Sequence 14, Appli
35	60	10.4	479	15	US-10-156-761-8327	Sequence 8327, Ap
36	60	10.4	1293	15	US-10-251-385-292	Sequence 292, App
37	59.5	10.3	993	9	US-09-894-998-50	Sequence 50, Appli
38	59.5	10.3	993	15	US-10-121-988-50	Sequence 50, Appli
39	59.5	10.3	1037	9	US-09-894-998-54	Sequence 54, Appli
40	59.5	10.3	1037	15	US-10-121-988-54	Sequence 54, Appli
41	59.5	10.3	1113	9	US-09-894-998-51	Sequence 51, Appli
42	59.5	10.3	1113	15	US-10-121-988-51	Sequence 51, Appli
43	59.5	10.3	1882	10	US-09-918-171A-13	Sequence 13, Appli
44	58	10.0	425	10	US-09-910-430-32	Sequence 32, Appli
45	58	10.0	425	15	US-10-165-605A-32	Sequence 32, Appli

ALIGNMENTS

RESULT 1
US-10-025-514-22
; Sequence 22, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 368292000200
; CURRENT APPLICATION NUMBER: US/10/025, 514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256, 699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331, 966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-22

Query Match 100.0%; Score 579; DB 15; Length 127;
Best Local Similarity 100.0%; Pred. No. 5.7e-64;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCVPHPHQTAFCNSDLVIRAKFVGTPEVNOITTYORIEIMTQYKGFQALGDAADIRF 60
DB 2 CTCVPHPHQTAFCNSDLVIRAKFVGTPEVNOITTYORIEIMTQYKGFQALGDAADIRF 61
QY 61 VYTPAMEVCYGFYRSHRSEFLIAGLQDLHLITTCSEFVAPWN 106
DB 62 VYTPAMEVCYGFYRSHRSEFLIAGLQDLHLITTCSEFVAPWN 107

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RESULT 2
US-10-025-514-24
; Sequence 24, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 36829200200
; CURRENT APPLICATION NUMBER: US/10/025,514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-24

Query Match          100.0%; Score 579; DB 15; Length 128;
Best Local Similarity 100.0%; Pred. No. 5.8e-64;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2 CTCVPPHPQTAFCSNDLVIRAKFVGTPPEVNOITLYORYEIKTKTKYKGFQALGDADIRF 61
    |||

QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 106
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Db 62 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 107
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RESULT 3
US-10-025-514-6
; Sequence 6, Application US/10025514
; Publication No. US20030073217A1
; GENERAL INFORMATION:
; APPLICANT: Philip J. BARR
; APPLICANT: Helen GIBSON
; APPLICANT: Philip PEMBERTON
; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
; FILE REFERENCE: 36829200200
; CURRENT APPLICATION NUMBER: US/10/025,514
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: U.S. 60/256,699
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: U.S. 60/331,966
; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-514-6

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Best Local Similarity 100.0%; Pred. No. 9.2e-64;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPPEVNOITLYORYEIKTKTKYKGFQALGDADIRF 60
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QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 106
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Db 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 106

RESULT 4
US-09-731-872-291
; Sequence 291, Application US/09731872
; Patent No. US20020102604A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78. US3. REG
; CURRENT APPLICATION NUMBER: US/09/731,872
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 291
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23...-1
US-09-731-872-291

Query Match          100.0%; Score 579; DB 10; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCVPPHPQTAFCSNDLVIRAKFVGTPPEVNOITLYORYEIKTKTKYKGFQALGDADIRF 60
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Db 24 CTCVPPHPQTAFCSNDLVIRAKFVGTPPEVNOITLYORYEIKTKTKYKGFQALGDADIRF 83
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QY 61 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 106
    |||
Db 84 VTPPAMESVCGYFHRSHNRSEEFLLAGKLQDGLHITTCSPFAPWN 129
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RESULT 5
US-10-116-064-5
; Sequence 5, Application US/10116064
; Publication No. US20020115187A1
; GENERAL INFORMATION:
; APPLICANT: GREENE, JOHN M
; APPLICANT: ROSEN, CRAIG
; TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
; TITLE OF INVENTION: METALLOPROTEINASE-4
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESS: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/116,064
; FILING DATE: 05-APR-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/262,087
; FILING DATE: 04-MAR-1999
; APPLICATION NUMBER: PCT/US94/14498
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;; FILING DATE: 13-FEB-1994
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 207 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-116-064-5

Query Match 100.0%; Score 579; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.1e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
|||
Db 24 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 83
Oy 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
|||
Db 84 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 129

RESULT 6

US-10-025-514-14
; Sequence 14, Application US/10025514
; Publication No. US20030073217A1

;; GENERAL INFORMATION:
;; APPLICANT: Philip J. BARR
;; APPLICANT: Helen GIBSON
;; APPLICANT: Philip PEMBERTON
;; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
;; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
;; FILE REFERENCE: 368292000200
;; CURRENT FILING DATE: 2002-04-03
;; PRIOR FILING DATE: 2002-04-03
;; PRIOR APPLICATION NUMBER: U.S. 60/256,699
;; PRIOR FILING DATE: 2000-12-18
;; PRIOR APPLICATION NUMBER: U.S. 60/331,966
;; NUMBER OF SEQ ID NOS: 33
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 14
;; LENGTH: 522
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-025-514-14

Query Match 100.0%; Score 579; DB 15; Length 522;
Best Local Similarity 100.0%; Pred. No. 3.5e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
|||
Db 2 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 61
Oy 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
|||
Db 62 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 107

RESULT 7

US-10-025-514-20
; Sequence 20, Application US/10025514
; Publication No. US20030073217A1

;; GENERAL INFORMATION:
;; APPLICANT: Philip J. BARR
;; APPLICANT: Helen GIBSON
;; APPLICANT: Philip PEMBERTON
;; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
;; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
;; FILE REFERENCE: 368292000200

;; CURRENT APPLICATION NUMBER: US/10/025,514
;; CURRENT FILING DATE: 2002-04-03
;; PRIOR APPLICATION NUMBER: U.S. 60/256,699
;; PRIOR FILING DATE: 2000-12-18
;; PRIOR APPLICATION NUMBER: U.S. 60/331,966
;; PRIOR FILING DATE: 2001-11-20
;; NUMBER OF SEQ ID NOS: 33
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 20
;; LENGTH: 522
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-025-514-20

Query Match 100.0%; Score 579; DB 15; Length 522;
Best Local Similarity 100.0%; Pred. No. 3.5e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
|||
Db 397 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 456
Oy 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
|||
Db 457 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 502

RESULT 8

US-10-025-514-10
; Sequence 10, Application US/10025514
; Publication No. US20030073217A1

;; GENERAL INFORMATION:
;; APPLICANT: Philip J. BARR
;; APPLICANT: Helen GIBSON
;; APPLICANT: Philip PEMBERTON
;; TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
;; TITLE OF INVENTION: THEIR USE IN TREATMENT OF DISEASE
;; FILE REFERENCE: 368292000200
;; CURRENT FILING DATE: 2002-04-03
;; PRIOR FILING DATE: 2002-04-03
;; PRIOR APPLICATION NUMBER: U.S. 60/256,699
;; PRIOR FILING DATE: 2000-12-18
;; PRIOR APPLICATION NUMBER: U.S. 60/331,966
;; PRIOR FILING DATE: 2001-11-20
;; NUMBER OF SEQ ID NOS: 33
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 10
;; LENGTH: 580
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-025-514-10

Query Match 100.0%; Score 579; DB 15; Length 580;
Best Local Similarity 100.0%; Pred. No. 4e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 60
|||
Db 2 CTCVPHPQTAFNCSDLVIRAKFVGTPEVNOITLYQRYEIKMTKMYKGFQALGDAADIRF 61
Oy 61 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 106
|||
Db 62 VYTPAMESVCGYFHRSHNRSEEFLLAGKLDGDLHITTCSFVAPWN 107

RESULT 9

US-10-025-514-18
; Sequence 18, Application US/10025514
; Publication No. US20030073217A1

;; GENERAL INFORMATION:
;; APPLICANT: Philip J. BARR
;; APPLICANT: Helen GIBSON
;; APPLICANT: Philip PEMBERTON

TITLE OF INVENTION: MULTIFUNCTIONAL PROTEASE INHIBITORS AND
FILE REFERENCE: 368292000200
CURRENT APPLICATION NUMBER: US/10/025,514
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: U.S. 60/256,699
PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: U.S. 60/331,966
PRIOR FILING DATE: 2001-11-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 580
TYPE: PRT
ORGANISM: Homo sapiens
US-10-025-514-18

Query Match 100.0%; Score 579; DB 15; Length 580;
Best Local Similarity 100.0%; Pred. No. 4e-63;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTCVPHPTAFCSNGLVIRAKVGTPEVNOTTLVYQRYEIKTKYKGFQALGDADIRF 60
Db 397 CTCVPHPTAFCSNGLVIRAKVGTPEVNOTTLVYQRYEIKTKYKGFQALGDADIRF 456

Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSPVAPWN 106
Db 457 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSPVAPWN 502

RESULT 10
US-09-925-301-1594
Sequence 1594, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1594
LENGTH: 183
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (80)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (107)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (122)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (136)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (151)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (152)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (160)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1594

Query Match 96.4%; Score 558; DB 9; Length 183;
Best Local Similarity 96.2%; Pred. No. 3.7e-61;
Matches 102; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CTCVPHPTAFCSNGLVIRAKVGTPEVNOTTLVYQRYEIKTKYKGFQALGDADIRF 60
Db 37 CTCVPHPTAFCSNGLVIRAKVGTPEVNOTTLVYQRYEIKTKYKGFQALGDADIRF 96

Qy 61 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSPVAPWN 106
Db 97 VYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSPVAPWN 142

RESULT 11
US-10-116-064-3
Sequence 3, Application US/10116064
Publication No. US20020115187A1
GENERAL INFORMATION:
APPLICANT: GREENE, JOHN M
ROSEN, CRAIG
TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4
CORRESPONDENCE ADDRESSES:
NUMBER OF SEQUENCES: 11
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/116,064
FILING DATE: 05-APR-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/262,087
FILING DATE: 04-MAR-1999
APPLICATION NUMBER: PCT/US94/14498
FILING DATE: 13-FEB-1994
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-116-064-3

Query Match 39.0%; Score 226; DB 14; Length 218;
Best Local Similarity 44.2%; Pred. No. 6.3e-20;
Matches 50; Conservative 16; Mismatches 33; Indels 14; Gaps 5;

Qy 1 CTCVPHPTAFCSNGLVIRAKVGTPEVNO-----TTLVYQRYEIKTKYKGFQALGD 54
Db 27 CSCSPVHQAFNCADVIRAKVSEKEVDGNDIYGPIKRIYEIKI-KMKF-----GP 80

Qy 55 AADIRFVYTPMESVCGYFHRSHNRSEEFLLAGKLDGLHITTCSPVAPWN 106
Db 81 EKDIETVYTPASAVCG-VSLDVGKKEYLLAGRAEGDGKXHTLDCPIVWD 132

RESULT 12
US-10-116-064-4
Sequence 4, Application US/10116064
Publication No. US20020115187A1
GENERAL INFORMATION:

APPLICANT: GREENE, JOHN M
ROSEN, CRAIG
TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/116,064
FILING DATE: 05-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/262,087
FILING DATE: 04-MAR-1999
APPLICATION NUMBER: PCT/US94/14498
FILING DATE: 13-FEB-1994
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 210 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-116-064-4
Query Match
Best Local Similarity 36.2%; Score 209.5; DB 14; Length 210;
Matches 45; Conservative 18; Mismatches 35; Indels 11; Gaps 4;
Qy 1 CTCVPHQOTAFCSNDVIRAKFVGTPEVNO---TTLYQRYEIKTKTKYKGFQALGDAD 57
Db 24 CTCSSHQDQAFCSNDVIRAKVKGKLVKEGPFSTLV--YTIKMKMYRGFTKMPHV-- 79
Qy 58 IRFVYTPAMESVCGYFHRSHNRSEFLIAGKLQDGLHTTCSFVAPW 106
Db 80 --YIHTESESLCG--KLEVNKYQYLLTGRVYDGKMTGTCNFERMD 124
RESULT 13
US-09-901-904-2
Sequence 2, Application US/09901904
Patent No. US20020055158A1
GENERAL INFORMATION:
APPLICANT: Greene et al.
TITLE OF INVENTION: Human Tissue Inhibitor of Metalloproteinase-4
FILE REFERENCE: PFI48P2
CURRENT APPLICATION NUMBER: US/09/901,904
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: US 60/220,829
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: US 60/217,419
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: US 09/387,525
PRIOR FILING DATE: 1999-09-01
PRIOR APPLICATION NUMBER: US 08/463,261
PRIOR FILING DATE: 1995-06-01
PRIOR APPLICATION NUMBER: PCT/ US94/14498
PRIOR FILING DATE: 1994-12-13
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 224

TYPE: PRT
ORGANISM: Homo sapiens
US-09-901-904-2
Query Match
Best Local Similarity 34.8%; Score 201.5; DB 9; Length 224;
Matches 42; Conservative 21; Mismatches 38; Indels 11; Gaps 4;
Qy 1 CTCVPHQOTAFCSNDVIRAKF-----VGTPEVNOITLYQRYEIKTKYKGFQALGD 54
Db 30 CSCAPAHQOHICHSALVIRAKISSEKVPASADPADTEKRLRYEIKTKYKGFQKV-- 87
Qy 55 AADIRFVYTPAMESVCGYFHRSHNRSEFLIAGK-LQDGLHTTCSFVAPW 105
Db 88 -KDVQYIYTPDSSLG--VKLEANSQKQYLLTGVLSDGKVFHLCNYIEPW 137
RESULT 14
US-09-947-715-2
Sequence 2, Application US/09947715
Patent No. US20020103122A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Methods of Treatment and Prevention of Restenosis
FILE REFERENCE: PFI17P1
CURRENT APPLICATION NUMBER: US/09/947,715
CURRENT FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: PCT/US00/06279
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 09/266,424
PRIOR FILING DATE: 1999-03-11
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
US-09-947-715-2
Query Match
Best Local Similarity 34.8%; Score 201.5; DB 10; Length 224;
Matches 42; Conservative 21; Mismatches 38; Indels 11; Gaps 4;
Qy 1 CTCVPHQOTAFCSNDVIRAKF-----VGTPEVNOITLYQRYEIKTKYKGFQALGD 54
Db 30 CSCAPAHQOHICHSALVIRAKISSEKVPASADPADTEKRLRYEIKTKYKGFQKV-- 87
Qy 55 AADIRFVYTPAMESVCGYFHRSHNRSEFLIAGK-LQDGLHTTCSFVAPW 105
Db 88 -KDVQYIYTPDSSLG--VKLEANSQKQYLLTGVLSDGKVFHLCNYIEPW 137
RESULT 15
US-10-116-064-2
Sequence 2, Application US/10116064
Publication No. US20020115187A1
GENERAL INFORMATION:
APPLICANT: GREENE, JOHN M
ROSEN, CRAIG
TITLE OF INVENTION: HUMAN TISSUE INHIBITOR OF
METALLOPROTEINASE-4
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVE
CITY: ROCKVILLE
STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/116,064
 FILING DATE: 05-Apr-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/262,087
 FILING DATE: 04-MAR-1999
 APPLICATION NUMBER: PCT/US94/14498
 FILING DATE: 13-FEB-1994
 INFORMATION FOR SEQ ID NO: 2:
 LENGTH: 224 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-10-116-064-2

Query Match 34.8%; Score 201.5; DB 14; Length 224;
 Best Local Similarity 37.5%; Pred. No. 7,1e-17;
 Matches 42; Conservative 21; Mismatches 38; Indels 11; Gaps 4;
 QY 1 CTCVPPHPQTAFCSNDLVIRAKF-----VGTPENVNQTLLYORYEIKMTKMYKGFQALGD 54
 DB 30 CSCAPAHPOOHCHSALVIRAKISSBKVPASADPADTEKMLRYEIKQIKMFKGFQK-- 87
 QY 55 AADIRFVYTPAMESVCGYFHRSHNRSEEFLLAK-LQDGLHITTCGFVAPW 105
 DB 88 -KDVQYIYTPDSSLCG-VKLEANSQKQYLLTGQVLSDGKVFTHLCNYIEPW 137

Search completed: July 25, 2003, 13:08:11
 Job time : 28.4686 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:38:05 / Search time 5.10286 Seconds
(without alignments)
315.081 Million cell updates/sec

Title: US-09-987-357-3

Perfect score: 203
Sequence: 1 GHRSSAQRDTRPTAPFDPWILHPVAVADSPSRA 38

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents, AA:
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	203	100.0	38	4	US-09-452-817-3
2	109	53.7	22	4	US-09-452-817-4
3	56.5	27.8	148	4	US-09-252-991A-28274
4	56	27.6	52	3	US-08-851-843A-184
5	56	27.6	52	3	US-08-974-549A-303
6	56	27.6	52	3	US-08-854-050-184
7	56	27.6	52	4	US-09-430-323-184
8	55	27.1	472	4	US-09-252-991A-17011
9	54	26.6	277	4	US-09-252-991A-25033
10	54	26.6	1452	2	US-08-449-644-8
11	54	26.6	1452	2	US-08-087-244A-8
12	52.5	25.9	611	4	US-09-252-991A-32402
13	52	25.6	279	4	US-09-252-991A-32443
14	52	25.6	720	4	US-09-252-991A-21881
15	51.5	25.4	239	4	US-09-252-991A-21250
16	51.5	25.4	699	5	PCT-US94-07297-39
17	51.5	25.4	921	1	US-08-396-479B-2
18	51.5	25.4	921	1	US-08-818-823-2
19	51.5	25.4	1171	4	US-09-417-197-131
20	51.5	25.4	1181	4	US-09-417-197-133
21	51	25.1	151	4	US-09-252-991A-28890
22	51	25.1	270	4	US-09-252-991A-29260
23	51	25.1	396	4	US-09-198-452A-147
24	51	25.1	580	4	US-09-252-991A-22036
25	51	25.1	630	2	US-08-596-319-2
26	50.5	24.9	1046	4	US-09-252-991A-27508
27	50	24.6	527	4	US-09-252-991A-21680

28	49	24.1	314	4	US-09-252-991A-18489	Sequence 18489, A
29	48.5	23.9	137	4	US-09-252-991A-29763	Sequence 29763, A
30	48.5	23.9	258	3	US-08-303-861-18	Sequence 18, Appl
31	48.5	23.9	258	3	US-08-303-861-19	Sequence 19, Appl
32	48.5	23.9	258	4	US-09-213-343-2	Sequence 2, Appl
33	48.5	23.9	628	4	US-09-252-991A-18780	Sequence 18780, A
34	48.5	23.9	673	4	US-09-252-991A-29503	Sequence 29503, A
35	48.5	23.9	1145	4	US-09-470-443-2	Sequence 2, Appl
36	48.5	23.9	1145	4	US-09-470-443-4	Sequence 29006, A
37	48	23.6	188	4	US-09-252-991A-29006	Sequence 26181, A
38	48	23.6	227	4	US-09-252-991A-26181	Sequence 18771, A
39	48	23.6	254	4	US-09-252-991A-19771	Sequence 24065, A
40	48	23.6	361	4	US-09-252-991A-19675	Sequence 20316, A
41	48	23.6	391	4	US-09-252-991A-20316	Sequence 18437, A
42	48	23.6	430	4	US-09-252-991A-18437	Sequence 27958, A
43	48	23.6	465	4	US-09-252-991A-27958	Sequence 28435, A
44	48	23.6	567	4	US-09-252-991A-28435	Sequence 28836, A
45	48	23.6	589	4	US-09-252-991A-28836	

ALIGNMENTS

```
RESULT 1
US-09-452-817-3
; Sequence 3, Application US/09452817
; Patent No. 6342374
; GENERAL INFORMATION:
; APPLICANT: Carmichael, David F
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Welgus, Howard G
; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
; FILE REFERENCE: Serial No. 6342374 09/452,817
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US/09/452,817
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/050,739
; PRIOR FILING DATE: 1993-04-21
; PRIOR APPLICATION NUMBER: 07/853,018
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: 07/517,475
; PRIOR FILING DATE: 1990-05-01
; PRIOR APPLICATION NUMBER: 07/320,923
; PRIOR FILING DATE: 1989-03-08
; PRIOR APPLICATION NUMBER: 06/784,319
; PRIOR FILING DATE: 1985-10-04
; PRIOR APPLICATION NUMBER: 06/699,181
; PRIOR FILING DATE: 1985-02-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-452-817-3

Query Match      100.0%; Score 203; DB 4; Length 38;
Best Local Similarity 100.0%; Pred. No. 4, 9e-22;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GHRSSAQRDTRPTAPFDPWILHPVAVADSPSRA 38
Db      1 GHRSSAQRDTRPTAPFDPWILHPVAVADSPSRA 38

RESULT 2
US-09-452-817-4
; Sequence 4, Application US/09452817
; Patent No. 6342374
```

GENERAL INFORMATION:
APPLICANT: Carmichael, David F
APPLICANT: Anderson, David C
APPLICANT: Stricklin, George P
APPLICANT: Weigus, Howard G
TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
FILE REFERENCE: Serial No. 6342374 09/452,817
CURRENT APPLICATION NUMBER: US/09/452,817
CURRENT FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 08/474,553
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/050,739
PRIOR FILING DATE: 1993-04-21
PRIOR APPLICATION NUMBER: 07/853,018
PRIOR FILING DATE: 1992-03-18
PRIOR APPLICATION NUMBER: 07/517,475
PRIOR FILING DATE: 1990-05-01
PRIOR APPLICATION NUMBER: 07/320,923
PRIOR FILING DATE: 1989-03-08
PRIOR APPLICATION NUMBER: 06/784,319
PRIOR FILING DATE: 1985-10-04
PRIOR APPLICATION NUMBER: 06/699,181
PRIOR FILING DATE: 1985-02-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 22
TYPE: PRT
ORGANISM: Homo sapiens
US-09-452-817-4

Query Match 53.7%; Score 109; DB 4; Length 22;
Best Local Similarity 95.5%; Pred. No. 5e-09;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 17 MAPFDPMLHPVAVADSPSRA 38
DB 1 MALFDPMLHPVAVADSPSRA 22

RESULT 3
US-09-252-991A-28274
Sequence 28274, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196,136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 28274
LENGTH: 148
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28274

Query Match 27.8%; Score 56.5; DB 4; Length 148;
Best Local Similarity 34.0%; Pred. No. 1.1;
Matches 17; Conservative 2; Mismatches 16; Indels 15; Gaps 2;

QY 4 RSSSAQRTREP-----TWAPPDMLHPVAVADSPSRA 38
DB 11 RISPSPSRSTSPPAASACRPPWPAIRASPSPMATIRPSAATATIRSPGRS 60

RESULT 4
US-08-851-843A-184
Sequence 184, Application US/08851843A
Patent No. 6093809
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Hatley, Calvin
TITLE OF INVENTION: Andrews, William H.
NUMBER OF SEQUENCES: 225
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,843A
FILING DATE: 06-MAY-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002930US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 184:
SEQUENCE CHARACTERISTICS:
LENGTH: 52 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-851-843A-184

Query Match 27.6%; Score 56; DB 3; Length 52;
Best Local Similarity 36.8%; Pred. No. 0.41;
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRSSSAQRTREPRTAPFDPMLHPVAVADSPSRA 38
DB 11 GSRSSSPASSNPRTTACTCGKPMWSRRPMTSAPPSRA 48

RESULT 5
US-08-974-549A-303
Sequence 303, Application US/08974549A
Patent No. 6166178
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 303:
SEQUENCE CHARACTERISTICS:
LENGTH: 52 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-974-549A-303

Query Match 27.6%; Score 56; DB 3; Length 52;
Best Local Similarity 36.8%; Pred. No. 0.41;
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

Qy 1 GRRRSSAQRDTREPTWAPFDPWLHPVAVADSPSRA 38
Db 11 GRRSSPSSNPRTRTACVGMFMSRRPPMGTSAFSPRA 48

RESULT 6
US-08-854-050-184
Sequence 184, Application US/08854050
Patent No. 6261836
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin B.
APPLICANT: Andrews, William H.
TITLE OF INVENTION: No. 6261836el Telomerase
NUMBER OF SEQUENCES: 225
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/854,050
FILING DATE: 09-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002930US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 184:
SEQUENCE CHARACTERISTICS:
LENGTH: 52 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-854-050-184

Qy 1 GRRRSSAQRDTREPTWAPFDPWLHPVAVADSPSRA 38
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

Query Match 27.6%; Score 56; DB 3; Length 52;
Best Local Similarity 36.8%; Pred. No. 0.41;
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

Db 11 GSRSSPSSNPRTRTACVGMPSRRPMPGTSAARPSRA 48

RESULT 7

US-09-430-323-184
; Sequence 184, Application US/09430323
; Patent No. 6309867
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; Lingner, Joachim
; Nakamura, Toru
; Chapman, Karen B.
; Morin, Gregg B.
; Harley, Calvin
; Andrews, William H.
; TITLE OF INVENTION: No. 6309867el Telomerase
; NUMBER OF SEQUENCES: 225
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/430,323
; FILING DATE: 29-Oct-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph T.
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002930US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 184:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 184:
US-09-430-323-184

Query Match 27.6%; Score 56; DB 4; Length 52;
Best Local Similarity 36.8%; Pred. No. 0.41; 21; Indels 0; Gaps 0;
Matches 14; Conservative 3; Mismatches 21;

Qy 1 GHRSSAQRDTREPTMAPDPMLHPVAVADSPSRA 38
Db 11 GSRSSPSSNPRTRTACVGMPSRRPMPGTSAARPSRA 48

RESULT 8
US-09-252-991A-17011

; Sequence 17011, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17011
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17011

Query Match 27.1%; Score 55; DB 4; Length 472;
Best Local Similarity 48.3%; Pred. No. 7; 12; Indels 2; Gaps 1;
Matches 14; Conservative 1; Mismatches 12;

Qy 2 HRRSSAQRDTREP--TWAPDPMLHPV 28
Db 131 HRRTRATRRVRPPARTAGREPMPGHPV 159

RESULT 9
US-09-252-991A-25033
; Sequence 25033, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 25033
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25033

Query Match 26.6%; Score 54; DB 4; Length 277;
Best Local Similarity 36.4%; Pred. No. 5.3; 15; Indels 10; Gaps 1;
Matches 16; Conservative 3; Mismatches 15;

Qy 3 RRRSSAQR-----DTREPTMAPDPMLHPVAVADSPS 36
Db 102 RRRSSARKRGPGCTARRRGGRSPRAPRPWRSMCAVADSPA 145

RESULT 10
US-08-449-644-8
; Sequence 8, Application US/08449644
; Patent No. 5856162
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Sap, Jan M.
; APPLICANT: Ulrich, Axel
; APPLICANT: Vogel, Wolfgang
; APPLICANT: Fuchs, Miriam
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE
; TITLE OF INVENTION: PHOSPHATASE-KAPPA
; NUMBER OF SEQUENCES: 11

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: PENNIE & EDMONDS
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: U.S.A.
;; ZIP: 10036
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/449,644
;; FILING DATE: 24-MAY-1995
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/087,244
;; FILING DATE: 01-JUL-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 212-790-9090
;; TELEFAX: 212-869-8864/9741
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 8:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1452 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
US-08-449-644-8

Query Match 26.6%; Score 54; DB 2; Length 1452;
Best Local Similarity 47.6%; Pred. No. 35;
Matches 10; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

QY 13 REPTMAPDPWLLHPVAVAD 33
DB 864 REPADVPTQQLHPAIRVAD 884

RESULT 11
US-08-087-244A-8
; Sequence 8, Application US/08087244A
; Patent No. 5863755
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Sap, Jan M.
; APPLICANT: Ulrich, Axel
; APPLICANT: Vogel, Wolfgang
; APPLICANT: Fuchs, Miriam
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE
; TITLE OF INVENTION: PHOSPHATASE-KAPPA
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/087,244A
; FILING DATE: 01-JUL-1993

;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-042
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 212-790-9090
;; TELEFAX: 212-869-8864/9741
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 8:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1452 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
US-08-087-244A-8

Query Match 26.6%; Score 54; DB 2; Length 1452;
Best Local Similarity 47.6%; Pred. No. 35;
Matches 10; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

QY 13 REPTMAPDPWLLHPVAVAD 33
DB 864 REPADVPTQQLHPAIRVAD 884

RESULT 12
US-09-252-991A-32402
; Sequence 32402, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32402
; LENGTH: 611
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32402

Query Match 25.9%; Score 52.5; DB 4; Length 611;
Best Local Similarity 41.5%; Pred. No. 21;
Matches 17; Conservative 4; Mismatches 13; Indels 7; Gaps 3;

QY 5 RSSAQRDTREPTMAPF-DPWL-LHPVAV-----ADSPSRA 38
DB 134 RRAATETTHBPAPAPYDPDRGLHPALVAGRGALAPARA 174

RESULT 13
US-09-252-991A-32443
; Sequence 32443, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 32443
 LENGTH: 279
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-32443

Query Match 25.6%; Score 52; DB 4; Length 279;
 Best Local Similarity 40.5%; Pred. No. 10;
 Matches 15; Conservative 2; Mismatches 18; Indels 2; Gaps 1;

QY 4 RSSAQRDTREPTMAPFDPW--LLHPVAVADSPSRA 38
 DB 161 RRAGGRQPDGARRAPGQPMRDILQRCAGADQPGRA 197

RESULT 14
 US-09-252-991A-21881
 Sequence 21881, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 21881
 LENGTH: 720
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-21881

Query Match 25.6%; Score 52; DB 4; Length 720;
 Best Local Similarity 40.5%; Pred. No. 30;
 Matches 15; Conservative 2; Mismatches 18; Indels 2; Gaps 1;

QY 4 RSSAQRDTREPTMAPFDPW--LLHPVAVADSPSRA 38
 DB 249 RRAGGRQPDGARRAPGQPMRDILQRCAGADQPGRA 285

RESULT 15
 US-09-252-991A-21250
 Sequence 21250, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 21250
 LENGTH: 239
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-21250

Query Match 25.4%; Score 51.5; DB 4; Length 239;
 Best Local Similarity 40.0%; Pred. No. 10;
 Matches 16; Conservative 2; Mismatches 9; Indels 13; Gaps 2;

QY 2 HRR---RSSAQRDTREPTMAPFDPWLLHPVAVADSPSRA 38
 DB 127 HRRQGRDSDARGDPRRPACAP-----ARAGTPGRA 156

Search completed: July 25, 2003, 12:54:58
 Job time: 6.10286 secs

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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:53:51 ; Search time 10.2057 Seconds
(without alignments)
442.191 Million cell updates/sec

Title: US-09-987-357-3
Perfect score: 203
Sequence: 1 GHRRRSSAQRDTRPTMAPDPMLHPVAVADSPSRA 38

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues
Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA:*

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- 3: /cgn2_6/ptodata/2/pubppaa/US06_NEW PUB.pep:*
- 4: /cgn2_6/ptodata/2/pubppaa/US06_PUBCOMB.pep:*
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- 11: /cgn2_6/ptodata/2/pubppaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/2/pubppaa/US09_NEW PUB.pep:*
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- 17: /cgn2_6/ptodata/2/pubppaa/US60_NEW PUB.pep:*
- 18: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	87.5	43.1	183	9	US-09-925-301-1594
2	56	27.6	52	10	US-09-843-676-184
3	56	27.6	52	11	US-09-438-486-184
4	56	27.6	52	15	US-10-053-758-184
5	56	27.6	52	15	US-10-054-295-184
6	56	27.6	52	15	US-10-054-611-184
7	54	26.6	559	10	US-09-858-155A-2
8	52	25.6	413	15	US-10-156-761-9775
9	52	25.6	822	10	US-09-147-947-6
10	51.5	25.4	653	15	US-10-156-761-12063
11	51.5	25.4	1171	15	US-10-072-036-131
12	51.5	25.4	1181	15	US-10-072-036-133
13	51	25.1	248	9	US-09-925-299-958
14	51	25.1	248	11	US-09-925-299-958
15	50.5	24.9	103	9	US-09-764-853-599

16	50.5	24.9	125	15	US-10-156-761-8367	Sequence 8367, Ap
17	50.5	24.9	624	10	US-09-738-626-3502	Sequence 3502, Ap
18	50	24.6	543	15	US-10-192-985-1	Sequence 1, Appli
19	49.5	24.4	335	15	US-10-156-761-14847	Sequence 14847, A
20	49.5	24.4	798	15	US-10-270-333-51	Sequence 51, Appli
21	49.5	24.4	852	15	US-10-027-828-15	Sequence 15, Appli
22	49	24.1	25	9	US-09-864-761-40371	Sequence 40371, A
23	48.5	23.9	337	9	US-09-925-301-1021	Sequence 2, Appli
24	48.5	23.9	1145	15	US-10-116-949-2	Sequence 4, Appli
25	48.5	23.9	1145	15	US-10-116-949-4	Sequence 48848, A
26	48	23.6	126	9	US-09-864-761-48848	Sequence 13095, A
27	48	23.6	194	15	US-10-156-761-13095	Sequence 10048, A
28	48	23.6	228	15	US-10-156-761-10048	Sequence 37825, A
29	48	23.6	377	9	US-09-864-761-37825	Sequence 76, Appli
30	48	23.6	917	14	US-10-047-542-76	Sequence 13357, A
31	47.5	23.4	334	15	US-10-156-761-13357	Sequence 228, App
32	47.5	23.4	837	11	US-09-988-626-228	Sequence 228, App
33	47.5	23.4	837	11	US-09-988-687-228	Sequence 228, App
34	47.5	23.4	837	11	US-09-988-686-228	Sequence 131, App
35	47	23.2	22	14	US-10-001-876-131	Sequence 48124, A
36	47	23.2	51	9	US-09-864-761-48124	Sequence 7, Appli
37	47	23.2	218	15	US-10-191-029-7	Sequence 9, Appli
38	47	23.2	218	15	US-10-191-029-9	Sequence 9, Appli
39	47	23.2	260	11	US-09-994-064-9	Sequence 70, Appli
40	47	23.2	260	11	US-09-994-064-70	Sequence 342, App
41	47	23.2	271	9	US-09-741-669-342	Sequence 10403, A
42	47	23.2	271	9	US-09-815-242-10403	Sequence 84667, Ap
43	47	23.2	1198	15	US-10-156-761-8467	Sequence 218, App
44	46.5	22.9	149	11	US-09-895-298-218	Sequence 8563, Ap
45	46.5	22.9	342	15	US-10-156-761-8563	

ALIGNMENTS

RESULT 1
US-09-925-301-1594
; Sequence 1594, Application US/09925301
; Patent No. US20020052308A1
GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1594
LENGTH: 183
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (80)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (107)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (122)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (136)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (151)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (152)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (160)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-923-301-1594

Query Match 43.1%; Score 87.5; DB 9; Length 183;
Best Local Similarity 50.0%; Pred. No. 0.00057;
Matches 20; Conservative 3; Mismatches 0; Indels 17; Gaps 2;

QY 8 AQRDREPTMAPDP-----WLLHVVAVADSPSRA 38
DB 5 AQRDREPTMAPDPPLASGILLWL-----APSRA 36

RESULT 2

US-09-843-676-184
Sequence 184, Application US/09843676
Patent No. US20020164786A1
GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

Langner, Joachim

Nakamura, Toru

Chapman, Karen B.

Morlin, Gregg B.

Harley, Calvin

Andrews, William H.

TITLE OF INVENTION: No. US20020164786A1 Telomerase

NUMBER OF SEQUENCES: 225

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/843,676

FILING DATE: 26-APR-2001

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002930US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 184:

SEQUENCE CHARACTERISTICS:

LENGTH: 52 amino acids

TYPE: amino acid

STRANDEDNESS: <unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 184:

US-09-843-676-184
Query Match 27.6%; Score 56; DB 10; Length 52;
Best Local Similarity 36.8%; Pred. No. 2.1;

Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRRSQAQRDREPTMAPDPDWLHVVAVADSPSRA 38
DB 11 GSRSSPASSNPRTRACVGMFSRRPPMGTISARPSRA 48

RESULT 3

US-09-438-486-184
Sequence 184, Application US/09438486
Publication No. US20030009019A1
GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

Langner, Joachim

APPLICANT: Nakamura, Toru

APPLICANT: Chapman, Karen B.

APPLICANT: Morlin, Gregg B.

APPLICANT: Harley, Calvin

APPLICANT: Andrews, William H.

TITLE OF INVENTION: No. US20030009019A1 Telomerase

NUMBER OF SEQUENCES: 223

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/438,486

FILING DATE: 12-NOV-1999

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-1996

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002931US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 184:

SEQUENCE CHARACTERISTICS:

LENGTH: 52 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-438-486-184
Query Match 27.6%; Score 56; DB 11; Length 52;
Best Local Similarity 36.8%; Pred. No. 2.1;
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRSSAQRDTREPTMAPFDPWLHPVAVADSPSRA 38
 Db 11 GSRSSPASSNPRTTACVGMPSRRPMPGTSARPSRA 48

RESULT 4

US-10-053-758-184
 ; Sequence 184, Application US/10053758
 ; Publication No. US20030032075A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cech, Thomas R.
 ; Lingner, Joachim
 ; Nakamura, Toru
 ; Chapman, Karen B.
 ; Morin, Gregg B.
 ; Harley, Calvin
 ; Andrews, William H.
 ; TITLE OF INVENTION: No. US20030032075A1el Telomerase
 ; NUMBER OF SEQUENCES: 225
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew LLP
 ; STREET: Two Embarcadero Center, 8th Floor
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: United States of America
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/053,758
 ; FILING DATE: 18-Jan-2002
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/854,050
 ; FILING DATE: 09-MAY-1997
 ; APPLICATION NUMBER: US 08/851,843
 ; FILING DATE: 06-MAY-1997
 ; APPLICATION NUMBER: US 08/846,017
 ; FILING DATE: 25-APR-1997
 ; APPLICATION NUMBER: US 08/844,419
 ; FILING DATE: 18-APR-1997
 ; APPLICATION NUMBER: US 08/724,643
 ; FILING DATE: 01-OCT-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Apple, Randolph T.
 ; REGISTRATION NUMBER: 36,429
 ; REFERENCE/DOCKET NUMBER: 015389-002930US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 576-0200
 ; TELEFAX: (415) 576-0300
 ; INFORMATION FOR SEQ ID NO: 184:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 52 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: <Unknown>
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 184:
 US-10-053-758-184

Query Match 27.6%; Score 56; DB 15; Length 52;
 Best Local Similarity 36.8%; Pred. No. 2.1;
 Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRSSAQRDTREPTMAPFDPWLHPVAVADSPSRA 38
 Db 11 GSRSSPASSNPRTTACVGMPSRRPMPGTSARPSRA 48

RESULT 5

US-10-054-295-184
 ; Sequence 184, Application US/10054295
 ; Publication No. US20030044953A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cech, Thomas R.
 ; Lingner, Joachim
 ; Nakamura, Toru
 ; Chapman, Karen B.
 ; Morin, Gregg B.
 ; Harley, Calvin
 ; Andrews, William H.
 ; TITLE OF INVENTION: No. US20030044953A1el Telomerase
 ; NUMBER OF SEQUENCES: 225
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend and Crew LLP
 ; STREET: Two Embarcadero Center, 8th Floor
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: United States of America
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/054,295
 ; FILING DATE: 18-Jan-2002
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/854,050
 ; FILING DATE: <Unknown>
 ; APPLICATION NUMBER: US 08/846,017
 ; FILING DATE: 25-APR-1997
 ; APPLICATION NUMBER: US 08/844,419
 ; FILING DATE: 18-APR-1997
 ; APPLICATION NUMBER: US 08/724,643
 ; FILING DATE: 01-OCT-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Apple, Randolph T.
 ; REGISTRATION NUMBER: 36,429
 ; REFERENCE/DOCKET NUMBER: 015389-002930US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 576-0200
 ; TELEFAX: (415) 576-0300
 ; INFORMATION FOR SEQ ID NO: 184:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 52 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: <Unknown>
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 184:
 US-10-054-295-184

Query Match 27.6%; Score 56; DB 15; Length 52;
 Best Local Similarity 36.8%; Pred. No. 2.1;
 Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;

QY 1 GHRSSAQRDTREPTMAPFDPWLHPVAVADSPSRA 38
 Db 11 GSRSSPASSNPRTTACVGMPSRRPMPGTSARPSRA 48

RESULT 6

US-10-054-611-184
 ; Sequence 184, Application US/10054611
 ; Publication No. US20030059787A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cech, Thomas R.
 ; Lingner, Joachim
 ; Nakamura, Toru
 ; Chapman, Karen B.

;;
;; TITLE OF INVENTION: No. US20030059787A1el Telomerase
;; NUMBER OF SEQUENCES: 225
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: United States of America
;; ZIP: 94111
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/10/054,611
;; FILING DATE: 18-Jan-2002
;; CLASSIFICATION: 536
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/854,050
;; FILING DATE: <Unknown>
;; APPLICATION NUMBER: US 08/846,017
;; FILING DATE: 25-APR-1997
;; APPLICATION NUMBER: US 08/844,419
;; FILING DATE: 18-APR-1997
;; APPLICATION NUMBER: US 08/724,643
;; FILING DATE: 01-OCT-1996
;;
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Apple, Randolph T.
;; REGISTRATION NUMBER: 36,429
;; REFERENCE/DOCKET NUMBER: 015389-002930US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;;
;; INFORMATION FOR SEQ ID NO: 184:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 52 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: <Unknown>
;; TOPOLOGY: linear
;;
;; MOLECULE TYPE: peptide
;; SEQUENCE DESCRIPTION: SEQ ID NO: 184:
US-10-054-611-184
;
Query Match 27.6%; Score 56; DB 15; Length 52;
Best Local Similarity 36.8%; Pred. No. 2.1;
Matches 14; Conservative 3; Mismatches 21; Indels 0; Gaps 0;
;
Qy 1 GHRSSAQRDTREPTMAPFDPMLHPVVAADSPSRA 38
DB 11 GSRSSPASSNRTTACVGMWSSRRPFGMTSARPSRA 48
;
RESULT 7
US-09-858-155A-2
;; Sequence 2, Application US/09858155A
;; Patent No. US20020137049A1
;; GENERAL INFORMATION:
;; APPLICANT: Mark, Robert
;; APPLICANT: Young, Kathleen H.
;; TITLE OF INVENTION: PABLO, A POLYPEPTIDE THAT INTERACTS WITH BCL-XL, AND
;; TITLE OF INVENTION: USES RELATED THERETO
;; FILE REFERENCE: GNN-005
;; CURRENT APPLICATION NUMBER: US/09/858,155A
;; CURRENT FILING DATE: 2001-05-15
;; NUMBER OF SEQ ID NOS: 2
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 2
LENGTH: 559
;

;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-858-155A-2
;
Query Match 26.6%; Score 54; DB 10; Length 559;
Best Local Similarity 37.1%; Pred. No. 44;
Matches 13; Conservative 6; Mismatches 16; Indels 0; Gaps 0;
;
Qy 2 HRRSSAQRDTREPTMAPFDPMLHPVVAADSPS 36
DB 198 HDRRREWKLAQGPRLAEDDANLHKHLEVANGRA 232
;
RESULT 8
US-10-156-761-9775
;; Sequence 9775, Application US/10156761
;; Publication No. US20030119018A1
;; GENERAL INFORMATION:
;; APPLICANT: OMURA, SATOSHI
;; APPLICANT: IKEDA, HARUO
;; APPLICANT: ISHIKAWA, JUN
;; APPLICANT: HORIKAWA, HIROSHI
;; APPLICANT: SHIBA, TADAYOSHI
;; APPLICANT: SAKAKI, YOSHIYUKI
;; APPLICANT: HATTORI, MASAHIRA
;; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;; FILE REFERENCE: 249-262
;; CURRENT APPLICATION NUMBER: US/10/156,761
;; CURRENT FILING DATE: 2002-05-29
;; PRIOR APPLICATION NUMBER: JP 2001-204089
;; PRIOR FILING DATE: 2001-05-30
;; PRIOR APPLICATION NUMBER: JP 2001-272697
;; PRIOR FILING DATE: 2001-08-02
;; NUMBER OF SEQ ID NOS: 15109
;; SEQ ID NO 9775
LENGTH: 413
;; TYPE: PRT
;; ORGANISM: Streptomyces avermitilis
US-10-156-761-9775
;
Query Match 25.6%; Score 52; DB 15; Length 413;
Best Local Similarity 41.7%; Pred. No. 59;
Matches 10; Conservative 4; Mismatches 10; Indels 0; Gaps 0;
;
Qy 13 REPTMAPFDPMLHPVVAADSPS 36
DB 211 REDTQGRWEPWLDQVTAADVTPA 234
;
RESULT 9
US-09-147-947-6
;; Sequence 6, Application US/09147947A
;; Patent No. US20020160490A1
;; GENERAL INFORMATION:
;; APPLICANT: TSURUOKA, No. US20020160490A1uo
;; APPLICANT: YAMASHIRO, Kyoto
;; APPLICANT: YAMAGUCHI, No. US20020160490A1omi
;; TITLE OF INVENTION: No. US20020160490A1el Serine Protease
;; FILE REFERENCE: 001560-349
;; CURRENT APPLICATION NUMBER: US/09/147,947A
;; CURRENT FILING DATE: 1997-03-24
;; EARLIER APPLICATION NUMBER: PCT/JP98/03324
;; EARLIER FILING DATE: 1998-07-24
;; EARLIER APPLICATION NUMBER: JP 9/213969
;; EARLIER FILING DATE: 1997-07-24
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 6
LENGTH: 822
;; TYPE: PRT
;; ORGANISM: Human
;; FEATURE:
OTHER INFORMATION:
;

US-09-147-947-6

Query Match 25.6%; Score 52; DB 10; Length 822;
Best Local Similarity 33.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 7; Mismatches 13; Indels 8; Gaps 2;

Qy 2 HRRSSAQRDTPREPTMA--PPDPWLLHPVVA-----VADSP 35
Db 762 HKRVDSGCGDSGGLMCCERPGESWVYGVTSWGYCGVADSP 803

RESULT 10

US-10-156-761-12063
Sequence 12063, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:

APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 12063
LENGTH: 653
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-12063

Query Match 25.4%; Score 51.5; DB 15; Length 653;
Best Local Similarity 27.7%; Pred. No. 1.1e+02;
Matches 18; Conservative 2; Mismatches 16; Indels 29; Gaps 2;

Qy 3 RRRSSAQRDTPREPTMA-----FDPWLLHPVV-AVAD 33
Db 135 RRRRFAGHGPDPPLPPPPRHAPPPVEDDARSMTTHLAATGPDWPFADLVVHQVVD 194
Qy 34 SPSSRA 38
Db 195 EPRYA 199

RESULT 11

US-10-072-036-131
Sequence 131, Application US/10072036
Publication No. US20030082564A1
GENERAL INFORMATION:

APPLICANT: Ole THASTRUP
APPLICANT: Soren TULLIN
APPLICANT: Kasper ALMHOLT
APPLICANT: KURT SCUDDER
TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
FILE REFERENCE: 3759-0120P
CURRENT APPLICATION NUMBER: US/10/072,036
CURRENT FILING DATE: 2002-09-13
PRIOR APPLICATION NUMBER: 09/417,197
NUMBER OF SEQ ID NOS: 143
SOFTWARE: PatentIn version 3.0
SEQ ID NO 131
LENGTH: 1171
TYPE: PRT

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: EGFP-NFAT fusion
US-10-072-036-131

Query Match 25.4%; Score 51.5; DB 15; Length 1171;
Best Local Similarity 30.5%; Pred. No. 2e+02;
Matches 18; Conservative 5; Mismatches 11; Indels 25; Gaps 3;

Qy 1 GHRSSAQRDTPREPTMA-----PPDPWLL-----HPVVAADSPS 36
Db 909 GKRKRSQPHFTYHPVPAIKTEPTDEYDPTLICSPTHGGLGSGPYYPQHFW--VAESPS 965

RESULT 12

US-10-072-036-133
Sequence 133, Application US/10072036
Publication No. US20030082564A1
GENERAL INFORMATION:

APPLICANT: Ole THASTRUP
APPLICANT: Soren TULLIN
APPLICANT: Kasper ALMHOLT
APPLICANT: KURT SCUDDER
TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
FILE REFERENCE: 3759-0120P
CURRENT APPLICATION NUMBER: US/10/072,036
CURRENT FILING DATE: 2002-09-13
PRIOR APPLICATION NUMBER: 09/417,197
PRIOR FILING DATE: 1999-10-07
NUMBER OF SEQ ID NOS: 143
SOFTWARE: PatentIn version 3.0
SEQ ID NO 133
LENGTH: 1181
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: NFAT-EGFP fusion
US-10-072-036-133

Query Match 25.4%; Score 51.5; DB 15; Length 1181;
Best Local Similarity 30.5%; Pred. No. 2e+02;
Matches 18; Conservative 5; Mismatches 11; Indels 25; Gaps 3;

Qy 1 GHRSSAQRDTPREPTMA-----PPDPWLL-----HPVVAADSPS 36
Db 663 GKRKRSQPHFTYHPVPAIKTEPTDEYDPTLICSPTHGGLGSGPYYPQHFW--VAESPS 719

RESULT 13

US-09-925-299-958
Sequence 958, Application US/09925299
Patent No. US20020055627A1
GENERAL INFORMATION:

APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 958
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (7)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-239-958

Query Match 25.1%; Score 51; DB 9; Length 248;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 13; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 5 RSSAQRDTREPTMAPDPWLLHPVVA 30
DB 127 RSYDACDTLRPRDVTDFPDLVDPVVA 152

RESULT 14
US-09-925-239-958
Sequence 958, Application US/09925299
Publication No. US20030040617A9

GENERAL INFORMATION:

APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA102

CURRENT APPLICATION NUMBER: US/09/925,299

PRIOR FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05883

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

NUMBER OF SEQ ID NOS: 1556

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 958

LENGTH: 248

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (7)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-925-239-958

Query Match 25.1%; Score 51; DB 11; Length 248;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 13; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 5 RSSAQRDTREPTMAPDPWLLHPVVA 30
DB 127 RSYDACDTLRPRDVTDFPDLVDPVVA 152

RESULT 15
US-09-764-853-599
Sequence 599, Application US/09764853
Patent No. US20020090672A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PJ206

CURRENT APPLICATION NUMBER: US/09/764,853

PRIOR FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 939

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 599

LENGTH: 103

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (9)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-853-599

Query Match 24.9%; Score 50.5; DB 9; Length 103;
Best Local Similarity 31.6%; Pred. No. 22;
Matches 12; Conservative 6; Mismatches 17; Indels 3; Gaps 1;

QY 1 GHRSSAQRD---TREPTMAPDPWLLHPVAVADSP 35
DB 23 GSERSSGSEKKQVINCNPPEPAPLPFWLLGAPLVREAP 60

Search completed: July 25, 2003, 13:08:12
Job time: 11.2057 secs

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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:38:05 ; Search time 2.95429 Seconds

(without alignments)
315.081 Million cell updates/sec

Title: US-09-987-357-4
Perfect score: 116
Sequence: 1 MALFDPWILHPVAVADSPSRA 22

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:*

1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTCUTS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	116	100.0	22	US-09-452-817-4 Sequence 4, Appli
2	109	94.0	38	US-09-452-817-3 Sequence 3, Appli
3	45	38.8	321	US-09-252-991A-30008 Sequence 30008, A
4	43.5	37.5	148	US-09-252-991A-28274 Sequence 28274, A
5	43.5	37.5	493	US-09-252-991A-30722 Sequence 30722, A
6	43	37.1	414	US-09-252-991A-17176 Sequence 17176, A
7	42	36.2	154	US-09-252-991A-21178 Sequence 21178, A
8	42	36.2	323	US-09-252-991A-26419 Sequence 26419, A
9	42	36.2	371	US-09-252-991A-28868 Sequence 28868, A
10	42	36.2	407	US-09-252-991A-24418 Sequence 24418, A
11	42	36.2	438	US-09-252-991A-27349 Sequence 27349, A
12	42	36.2	512	US-09-252-991A-22339 Sequence 22339, A
13	42	36.2	774	US-09-328-352-5361 Sequence 5361, Ap
14	42	36.2	50	US-09-328-352-5361 Sequence 5361, Ap
15	41	35.3	259	US-09-198-452A-1121 Sequence 1121, Ap
16	41	35.3	355	US-09-328-352-6556 Sequence 6556, Ap
17	41	35.3	377	US-09-252-991A-30472 Sequence 30472, A
18	41	35.3	396	US-09-198-452A-147 Sequence 147, App
19	41	35.3	483	US-09-252-991A-19224 Sequence 19224, A
20	41	35.3	523	US-09-252-991A-18693 Sequence 18693, A
21	41	35.3	836	US-09-252-991A-23513 Sequence 23513, A
22	40.5	34.9	334	US-09-252-991A-18766 Sequence 18766, A
23	40.5	34.9	420	US-09-328-352-5907 Sequence 5907, Ap
24	40	34.5	207	US-07-656-566-2 Sequence 2, Appli
25	40	34.5	231	US-07-656-566-3 Sequence 3, Appli
26	40	34.5	331	US-09-252-991A-26165 Sequence 26165, A
27				

28	40	34.5	340	US-09-134-001C-3448 Sequence 3448, Ap
29	40	34.5	384	US-09-252-991A-31901 Sequence 31901, A
30	40	34.5	487	US-09-107-532A-6319 Sequence 6319, Ap
31	40	34.5	741	US-09-252-991A-20098 Sequence 20098, A
32	40	34.5	888	US-09-268-140-4 Sequence 4, Appli
33	39.5	34.1	137	US-09-252-991A-29763 Sequence 29763, A
34	39.5	34.1	217	US-09-252-991A-19722 Sequence 19722, A
35	39.5	34.1	473	US-09-252-991A-29560 Sequence 29560, A
36	39	33.6	88	US-09-087-134-18 Sequence 18, Appl
37	39	33.6	262	US-09-252-991A-18603 Sequence 18603, A
38	39	33.6	321	US-09-252-991A-20690 Sequence 20690, A
39	39	33.6	329	US-09-189-527-4 Sequence 4, Appli
40	39	33.6	338	US-09-252-991A-27893 Sequence 27893, A
41	39	33.6	378	US-09-716-865-22 Sequence 22, Appl
42	39	33.6	391	US-09-108-020-53 Sequence 53, Appl
43	39	33.6	397	US-09-087-134-17 Sequence 17, Appl
44	39	33.6	431	US-09-252-991A-23720 Sequence 23720, A
45	39	33.6	598	US-08-272-255-22 Sequence 22, Appl

ALIGNMENTS

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RESULT 1
US-09-452-817-4
; Sequence 4, Application US/09452817
; Patent No. 6342374
;
GENERAL INFORMATION:
; APPLICANT: Carmichael, David F
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Welgus, Howard G
;
TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
;
TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
;
FILE REFERENCE: Serial No. 6342374 09/452,817
;
CURRENT FILING DATE: 2001-06-22
;
PRIOR FILING DATE: 1995-06-07
;
PRIOR FILING DATE: 1995-06-07
;
PRIOR FILING DATE: 1993-04-21
;
PRIOR APPLICATION NUMBER: 07/853,018
;
PRIOR FILING DATE: 1992-03-18
;
PRIOR APPLICATION NUMBER: 07/517,475
;
PRIOR FILING DATE: 1990-05-01
;
PRIOR APPLICATION NUMBER: 07/320,923
;
PRIOR FILING DATE: 1989-03-08
;
PRIOR APPLICATION NUMBER: 06/784,319
;
PRIOR FILING DATE: 1985-10-04
;
PRIOR APPLICATION NUMBER: 06/699,181
;
PRIOR FILING DATE: 1985-02-05
;
NUMBER OF SEQ ID NOS: 20
;
SOFTWARE: PatentIn Ver. 2.0
;
SEQ ID NO 4
;
LENGTH: 22
;
TYPE: PRT
;
ORGANISM: Homo sapiens
;
US-09-452-817-4

Query Match      100.0%; Score 116; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 3e+12;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      1 MALFDPWILHPVAVADSPSRA 22
Db      1 MALFDPWILHPVAVADSPSRA 22

RESULT 2
US-09-452-817-3
; Sequence 3, Application US/09452817
; Patent No. 6342374
```

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; GENERAL INFORMATION:
; APPLICANT: Carmichael, David P
; APPLICANT: Anderson, David C
; APPLICANT: Stricklin, George P
; APPLICANT: Welgus, Howard G
; TITLE OF INVENTION: Human Collagenase Inhibitor, Recombinant Vector System
; TITLE OF INVENTION: For Using Same And Recombinant-DNA Method For
; TITLE OF INVENTION: Manufacture Of Same
; FILE REFERENCE: Serial No. 6342374 09/452,817
; CURRENT APPLICATION NUMBER: US/09/452,817
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 08/474,553
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/050,739
; PRIOR FILING DATE: 1993-04-21
; PRIOR APPLICATION NUMBER: 07/853,018
; PRIOR FILING DATE: 1992-03-18
; PRIOR APPLICATION NUMBER: 07/517,475
; PRIOR FILING DATE: 1990-05-01
; PRIOR APPLICATION NUMBER: 07/320,923
; PRIOR FILING DATE: 1989-03-08
; PRIOR APPLICATION NUMBER: 06/784,319
; PRIOR FILING DATE: 1985-10-04
; PRIOR APPLICATION NUMBER: 06/699,181
; PRIOR FILING DATE: 1985-02-05
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-452-817-3

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Query Match          94.0%; Score 109; DB 4; Length 38;
Best Local Similarity 95.5%; Pred. No. 7.5e-11;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 MALPDPWLHPVAVADSPSR 22
17 MALPDPWLHPVAVADSPSR 38
DB 17 MALPDPWLHPVAVADSPSR 38

RESULT 3
US-09-252-991A-30008
; Sequence 30008, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30008
; LENGTH: 321
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30008

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Query Match          38.8%; Score 45; DB 4; Length 321;
Best Local Similarity 52.6%; Pred. No. 16;
Matches 10; Conservative 2; Mismatches 7; Indels 0; Gaps 0;
QY 3 LEDPWLHPVAVADSPSR 21
71 LEDPWLHPVAVADSPSR 89
DB 71 LEDPWLHPVAVADSPSR 89

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RESULT 4
US-09-252-991A-28274
; Sequence 28274, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28274
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28274

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Query Match          37.5%; Score 43.5; DB 4; Length 148;
Best Local Similarity 41.7%; Pred. No. 12;
Matches 10; Conservative 2; Mismatches 9; Indels 3; Gaps 1;
QY 2 ALPDPWLHPVAVADSPSR 22
37 ALPDPWLHPVAVADSPSR 60
DB 37 ALPDPWLHPVAVADSPSR 60

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RESULT 5
US-09-252-991A-30722
; Sequence 30722, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30722
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30722

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Query Match          37.5%; Score 43.5; DB 4; Length 493;
Best Local Similarity 52.4%; Pred. No. 46;
Matches 11; Conservative 3; Mismatches 6; Indels 1; Gaps 1;
QY 2 ALPDPWLHPVAVADSPSR 21
109 ALPDPWLHPVAVADSPSR 129
DB 109 ALPDPWLHPVAVADSPSR 129

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RESULT 6
US-09-252-991A-17176
; Sequence 17176, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18

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PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 17176
 LENGTH: 414
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-17176

Query Match 37.1%; Score 43; DB 4; Length 414;
 Best Local Similarity 57.1%; Pred. No. 46;
 Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 8 LHPVAVADSPSR 21
 DB 279 LHPVAVADSPSR 292

RESULT 7

US-09-252-991A-21178
 Sequence 21178, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 21178
 LENGTH: 154
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-21178

Query Match 36.2%; Score 42; DB 4; Length 154;
 Best Local Similarity 50.0%; Pred. No. 22;
 Matches 8; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 6 PMLHPVAVADSPSR 21
 DB 98 PMLHPVAVADSPSR 113

RESULT 8

US-09-252-991A-26419
 Sequence 26419, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 26419
 LENGTH: 323
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-26419

Query Match 36.2%; Score 42; DB 4; Length 323;
 Best Local Similarity 45.5%; Pred. No. 50;
 Matches 10; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 MALPDPMLHPVAVADSPSR 22
 DB 162 IALAPAMLOPKVLVADSPSR 183

RESULT 9

US-09-252-991A-28868
 Sequence 28868, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 28868
 LENGTH: 371
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-28868

Query Match 36.2%; Score 42; DB 4; Length 371;
 Best Local Similarity 52.9%; Pred. No. 58;
 Matches 9; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 6 PMLHPVAVADSPSR 22
 DB 47 PMLRLVLPADSGEAA 63

RESULT 10

US-09-252-991A-24418
 Sequence 24418, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 24418
 LENGTH: 374
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-24418

Query Match 36.2%; Score 42; DB 4; Length 374;
 Best Local Similarity 46.2%; Pred. No. 59;
 Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 10 HPVAVADSPSR 22
 DB 344 HPVAKIDTPGKA 356

RESULT 11

US-09-252-991A-27349

; Sequence 27349, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27349
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27349

Query Match 36.2%; Score 42; DB 4; Length 407;
Best Local Similarity 60.0%; Pred. No. 65;
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 4 FDPWILHPVAVADS 18
||| : |||
DB 356 FDPRLVEAFVAVADA 370

RESULT 12
US-09-252-991A-21521
; Sequence 21521, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21521
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21521

Query Match 36.2%; Score 42; DB 4; Length 438;
Best Local Similarity 47.4%; Pred. No. 71;
Matches 9; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 MALFDPWILHPVAVADSP 19
||| : |||
DB 169 MALFDPDKHPRIRIAFGP 167

RESULT 13
US-09-252-991A-22339
; Sequence 22339, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22339
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22339

Query Match 36.2%; Score 42; DB 4; Length 512;
Best Local Similarity 80.0%; Pred. No. 84;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 10 HPVAVADSP 19
||| : |||
DB 48 HPVEAVADQP 57

RESULT 14
US-09-328-352-5361
; Sequence 5361, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; PRIOR FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 5361
; LENGTH: 774
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5361

Query Match 36.2%; Score 42; DB 4; Length 774;
Best Local Similarity 50.0%; Pred. No. 1,36+02;
Matches 7; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 3 LFDPWILHPVAVVA 16
||| : |||
DB 184 LFDWYIOPALLVA 197

RESULT 15
US-09-227-357-594
; Sequence 594, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,932
; PRIOR FILING DATE: 1997-07-08

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; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
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; EARLIER FILING DATE: 1997-07-08
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; EARLIER FILING DATE: 1997-08-18
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; EARLIER APPLICATION NUMBER: 60/055,953
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; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
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; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
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; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 594
; LENGTH: 50
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-227-357-594

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Query Match      35.3% Score 41; DB 4; Length 50;
Best Local Similarity 47.6% Pred. No. 8.8;
Matches 10; Conservative 2; Mismatches 5; Indels 4; Gaps 1;

Qy      2 ALFDPWLIHPVAVVADSPSRA 22
Db      22 ALFSPWLSNPAVL-----PSRS 38

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Search completed: July 25, 2003, 12:54:59
Job time : 3.95429 secs

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OM protein - protein search, using SW model

Run on: July 25, 2003, 12:53:51 ; Search time 5.90857 Seconds

(without alignments)
442.191 Million cell updates/sec

Title: US-09-987-357-4

Perfect score: 116

Sequence: 1 MALPDPMLHPVAVADSPSRA.22

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/PTCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*

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17: /cgn2_6/ptodata/2/pubpaa/US00_NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US00_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	46.5	40.1	149	US-09-895-298-218	Sequence 218, App
2	45.5	39.2	653	US-10-156-761-12063	Sequence 12063, A
3	45	38.8	5877	US-10-142-515-11	Sequence 11, Appl
4	45	38.8	5935	US-10-243-243A-8	Sequence 8, Appl
5	43.5	37.5	372	US-09-738-626-6130	Sequence 6130, Ap
6	42	36.2	81	US-09-729-674-80	Sequence 80, Appl
7	42	36.2	165	US-09-796-692-2163	Sequence 2163, Ap
8	42	36.2	165	US-10-040-862-2163	Sequence 2163, Ap
9	42	36.2	215	US-09-749-7288-23	Sequence 23, Appl
10	42	36.2	215	US-10-157-031-239	Sequence 239, Appl
11	42	36.2	311	US-10-154-506A-2	Sequence 2, Appl
12	42	36.2	311	US-10-154-506A-5	Sequence 5, Appl
13	42	36.2	311	US-10-154-506A-7	Sequence 7, Appl
14	42	36.2	323	US-09-815-242-5190	Sequence 5190, Ap
15	42	36.2	335	US-10-156-761-14847	Sequence 14847, A

16	42	36.2	497	US-10-156-761-9214	Sequence 9214, Ap
17	41	35.3	51	US-09-983-802-594	Sequence 594, App
18	41	35.3	60	US-10-156-761-12072	Sequence 12072, A
19	41	35.3	194	US-10-156-761-13095	Sequence 13095, A
20	41	35.3	228	US-10-156-761-10048	Sequence 10048, A
21	41	35.3	233	US-10-184-191-16	Sequence 16, Appl
22	41	35.3	641	US-10-156-761-9373	Sequence 9373, Ap
23	41	35.3	1536	US-09-801-368-322	Sequence 322, App
24	40.5	34.9	515	US-09-759-010-8	Sequence 8, Appl
25	40	34.5	97	US-10-083-357-708	Sequence 708, App
26	40	34.5	268	US-08-815-242-11314	Sequence 11314, A
27	40	34.5	268	US-09-815-242-11495	Sequence 11495, A
28	40	34.5	308	US-10-028-072-1100	Sequence 100, App
29	40	34.5	308	US-10-121-049-1100	Sequence 100, App
30	40	34.5	308	US-10-123-904-1100	Sequence 100, App
31	40	34.5	308	US-10-140-470-1100	Sequence 100, App
32	40	34.5	308	US-10-175-746-1100	Sequence 100, App
33	40	34.5	308	US-10-176-918-1100	Sequence 100, App
34	40	34.5	308	US-10-137-921-1100	Sequence 100, App
35	40	34.5	308	US-10-137-865-1100	Sequence 100, App
36	40	34.5	308	US-10-140-474-1100	Sequence 100, App
37	40	34.5	308	US-10-142-431-1100	Sequence 100, App
38	40	34.5	308	US-10-143-114-1100	Sequence 100, App
39	40	34.5	308	US-10-140-002-1100	Sequence 100, App
40	40	34.5	308	US-10-142-419-1100	Sequence 100, App
41	40	34.5	308	US-10-123-262-1100	Sequence 100, App
42	40	34.5	308	US-10-142-423-1100	Sequence 100, App
43	40	34.5	308	US-10-121-050-1100	Sequence 100, App
44	40	34.5	308	US-10-141-755-1100	Sequence 100, App
45	40	34.5	308	US-10-143-032-1100	Sequence 100, App

ALIGNMENTS

RESULT 1

US-09-895-298-218 Application US/09895298

Sequence 218, Application US/09895298

Publication No. US20030078405A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 47 Human Secreted Proteins

FILE REFERENCE: P2035P1

CURRENT APPLICATION NUMBER: US/09/895,298

CURRENT FILING DATE: 2001-07-02

PRIOR APPLICATION NUMBER: 09/591,16

PRIOR FILING DATE: 2000-06-09

PRIOR APPLICATION NUMBER: PCT/US99/29950

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: 60/113,006

PRIOR FILING DATE: 1998-12-18

PRIOR APPLICATION NUMBER: 60/112,809

PRIOR FILING DATE: 1998-12-17

NUMBER OF SEQ ID NOS: 231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 218

LENGTH: 149

TYPE: PRT

ORGANISM: Homo sapiens

US-09-895-298-218

Query Match 40.1%; Score 46.5; DB 11; Length 149;

Best Local Similarity 45.0%; Pred. No. 17;

Matches 9; Conservative 3; Mismatches 5; Indels 3; Gaps 1;

6 PWLHPVAV---ADSPSRA 22

6 PWTQPIILVWVDPDASRA 25

RESULT 2

US-10-156-761-12063

Sequence 12063, Application US/10156761

```
/ Publication No. US20030119018A1
/ GENERAL INFORMATION:
/ APPLICANT: OKURA, SATOSHI
/ APPLICANT: IKEDA, HARUO
/ APPLICANT: ISHIKAWA, JUN
/ APPLICANT: HORIKAWA, HIROSHI
/ APPLICANT: SHIBA, TADAYOSHI
/ APPLICANT: SAKAKI, YOSHIYUKI
/ APPLICANT: HATTORI, MASAHIRA
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
/ FILE REFERENCE: 249-262
/ CURRENT APPLICATION NUMBER: US/10/156,761
/ CURRENT FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: JP 2001-204089
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: JP 2001-272697
/ PRIOR FILING DATE: 2001-08-02
/ NUMBER OF SEQ ID NOS: 15109
/ SEQ ID NO 12063
/ LENGTH: 653
/ TYPE: PRT
/ ORGANISM: Streptomyces avermitilis
US-10-156-761-12063
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Query Match          39.2%; Score 45.5; DB 15; Length 653;
Best Local Similarity 55.0%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 8; Indels 1; Gaps 1;
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```
QY      4 FPPWLLHPVY-AVADSPSRA 22
DB      180 FDPWFADLVVHQVDEPYRA 199
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RESULT 3
US-10-142-515-11
/ Sequence 11, Application US/10142515
/ Publication No. US20030078399A1
/ GENERAL INFORMATION:
/ APPLICANT: SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH
/ APPLICANT: Lloyd, Kenneth O.
/ APPLICANT: Yin, Beatrice W.T.
/ TITLE OF INVENTION: Nucleic Acid Sequence Encoding Ovarian Antigen, CA125, and Uses T
/ FILE REFERENCE: 649-A-US
/ CURRENT APPLICATION NUMBER: US/10/142,515
/ CURRENT FILING DATE: 2002-07-23
/ PRIOR APPLICATION NUMBER: US 60/290,480
/ PRIOR FILING DATE: 2001-05-11
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 11
/ LENGTH: 5877
/ TYPE: PRT
/ ORGANISM: Human Being
/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ LOCATION: (1)..(5877)
/ OTHER INFORMATION: Amino acid sequence of MUC16B
US-10-142-515-11
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Query Match          38.8%; Score 45; DB 15; Length 5877;
Best Local Similarity 60.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY      6 PWLHPVAVADSPS 20
DB      750 PWLSPSVSEASSAS 764
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RESULT 4
US-10-243-243A-8
/ Sequence 8, Application US/10243243A
/ Publication No. US2003010442A1
/ GENERAL INFORMATION:
```

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/ APPLICANT: Lloyd, Kenneth O.
/ APPLICANT: Yin, Beatrice W.T.
/ TITLE OF INVENTION: Nucleic Acid Sequence Encoding Ovarian Antigen, CA125, and Uses T
/ FILE REFERENCE: 649-B
/ CURRENT APPLICATION NUMBER: US/10/243,243A
/ CURRENT FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: US 10/142,515
/ PRIOR FILING DATE: 2002-05-09
/ PRIOR APPLICATION NUMBER: PCT/US02/14768
/ PRIOR FILING DATE: 2002-05-09
/ PRIOR APPLICATION NUMBER: US 60/290,480
/ PRIOR FILING DATE: 2001-05-11
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 8
/ LENGTH: 5935
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ LOCATION: (1)..(5935)
/ OTHER INFORMATION: Amino acid sequence of MUC16B
US-10-243-243A-8
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Query Match          38.8%; Score 45; DB 15; Length 5935;
Best Local Similarity 60.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY      6 PWLHPVAVADSPS 20
DB      821 PWLSPSVSEASSAS 835
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RESULT 5
US-09-738-626-6130
/ Sequence 6130, Application US/09738626
/ Publication No. US20020197605A1
/ GENERAL INFORMATION:
/ APPLICANT: NAKAGAWA, SATOSHI
/ APPLICANT: MIZOGUCHI, HIROSHI
/ APPLICANT: ANDO, SEIKO
/ APPLICANT: HAYASHI, MIKIRO
/ APPLICANT: OCHIAI, KEIKO
/ APPLICANT: YOKOI, HARUHIKO
/ APPLICANT: TATEISHI, MAOKO
/ APPLICANT: SENOH, AKIHIRO
/ APPLICANT: IKEDA, MASATO
/ APPLICANT: OZAKI, AKIO
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
/ FILE REFERENCE: 249-125
/ CURRENT APPLICATION NUMBER: US/09/738,626
/ CURRENT FILING DATE: 2000-12-18
/ PRIOR APPLICATION NUMBER: JP 99/377484
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: JP 00/159162
/ PRIOR FILING DATE: 2000-04-07
/ PRIOR APPLICATION NUMBER: JP 00/280988
/ PRIOR FILING DATE: 2000-08-03
/ NUMBER OF SEQ ID NOS: 7059
/ SOFTWARE: PatentIn ver. 3.0
/ SEQ ID NO 6130
/ LENGTH: 372
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-09-738-626-6130
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Query Match          37.5%; Score 43.5; DB 10; Length 372;
Best Local Similarity 37.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 6; Mismatches 6; Indels 5; Gaps 2;
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QY      1 MALFDP-WLH---PVAVADSPSRA 22
DB      210 LGLFDPQVWHSDRPTFAIASALATA 236
```

```

RESULT 6
US-09-729-674-80
; Sequence 80, Application US/09729674
; Patent No. US20010039335A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Werberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steindinger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fecthel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 6055-64X
; CURRENT APPLICATION NUMBER: US/09/729,674
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 09/539,330
; NUMBER OF SEQ ID NOS: 283
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 80
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-729-674-80

Query Match      36.2%; Score 42; DB 9; Length 81;
Best Local Similarity 87.5%; Pred. No. 41;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      7 WLLHPVVA 14
Db      32 WLLHPVVA 39

RESULT 7
US-09-796-692-2163
; Sequence 2163, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22

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; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2163
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(165)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-796-692-2163

Query Match      36.2%; Score 42; DB 10; Length 165;
Best Local Similarity 42.1%; Pred. No. 86;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy      3 LFDPWLLHPVVAVDSPSR 21
Db      135 LDPWMTPTADVDPLNPSK 153

RESULT 8
US-10-040-862-2163
; Sequence 2163, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Reltter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2163

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/ LENGTH: 165
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: variant
/ LOCATION: (1)...(165)
/ OTHER INFORMATION: Xaa = Any amino acid
US-10-040-862-2163

Query Match
Best Local Similarity 42.1%; Score 42; DB 15; Length 165;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 3 LFDPMILHPVAVADSPSR 21
Db 135 LLDPMWQTPADVPDLNPSK 153

RESULT 9
US-09-749-728B-23
/ Sequence 23, Application US/09749728B
/ Patent No. US20020142457A1
/ GENERAL INFORMATION:
/ APPLICANT: Umezawa, Akihito
/ APPLICANT: Hata, Jun-ichi
/ APPLICANT: Fukuda, Keiichi
/ APPLICANT: Ogawa, Satoshi
/ APPLICANT: Sakurada, Kazuhiro
/ APPLICANT: Gojo, Satoshi
/ APPLICANT: Yamada, Yoji
/ TITLE OF INVENTION: THE CELL HAVING THE POTENTIALITY OF DIFFERENTIATION INTO CARDIOMY
/ FILE REFERENCE: 00766.000043
/ CURRENT APPLICATION NUMBER: US/09/749,728B
/ CURRENT FILING DATE: 2001-09-17
/ PRIOR APPLICATION NUMBER: H11-372826
/ PRIOR FILING DATE: 1999-12-28
/ PRIOR APPLICATION NUMBER: PCT-JP00-01148
/ PRIOR FILING DATE: 2000-02-28
/ PRIOR APPLICATION NUMBER: PCT-JP00-07741
/ PRIOR FILING DATE: 2000-11-02
/ NUMBER OF SEQ ID NOS: 80
/ SOFTWARE: PatentIn Ver.2.0
/ SEQ ID NO 23
/ LENGTH: 215
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-749-728B-23

Query Match
Best Local Similarity 47.1%; Score 42; DB 10; Length 215;
Matches 8; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

Qy 4 FDDPMILHPVAVADSPS 20
Db 42 FQSWLSPADAPDFPA 58

RESULT 10
US-10-157-031-239
/ Sequence 239, Application US/10157031
/ Publication No. US20030108890A1
/ GENERAL INFORMATION:
/ APPLICANT: Baranova, A. V.
/ APPLICANT: Yankovsky, N. K.
/ APPLICANT: Kozlov, A. P.
/ APPLICANT: Lobashev, A. V.
/ APPLICANT: Krukovskaya, L. L.
/ TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
/ FILE REFERENCE: 2760-103
/ CURRENT APPLICATION NUMBER: US/10/157,031
/ CURRENT FILING DATE: 2002-05-30
/ NUMBER OF SEQ ID NOS: 415
/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO 239
/ LENGTH: 215
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-157-031-239

Query Match
Best Local Similarity 47.1%; Score 42; DB 15; Length 215;
Matches 8; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

Qy 4 FDDPMILHPVAVADSPS 20
Db 42 FQSWLSPADAPDFPA 58

RESULT 11
US-10-154-506A-2
/ Sequence 2, Application US/10154506A
/ Publication No. US20030125231A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Jun et al.
/ TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease a
/ TITLE OF INVENTION: Identification of Pharmacological Agents Useful in the Treatment
/ FILE REFERENCE: 9/206-217
/ CURRENT APPLICATION NUMBER: US/10/154,506A
/ CURRENT FILING DATE: 2002-05-23
/ PRIOR APPLICATION NUMBER: US 60/292,968
/ PRIOR FILING DATE: 2001-05-23
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 2
/ LENGTH: 311
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-154-506A-2

Query Match
Best Local Similarity 42.1%; Score 42; DB 15; Length 311;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 3 LFDPMILHPVAVADSPSR 21
Db 281 LLDPMWQTPADVPDLNPSK 299

RESULT 12
US-10-154-506A-5
/ Sequence 5, Application US/10154506A
/ Publication No. US20030125231A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Jun et al.
/ TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease at
/ TITLE OF INVENTION: Identification of Pharmacological Agents Useful in the Treatment
/ FILE REFERENCE: 9/206-217
/ CURRENT APPLICATION NUMBER: US/10/154,506A
/ CURRENT FILING DATE: 2002-05-23
/ PRIOR APPLICATION NUMBER: US 60/292,968
/ PRIOR FILING DATE: 2001-05-23
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 5
/ LENGTH: 311
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: PEPTIDE
/ LOCATION: (1)...(311)
/ OTHER INFORMATION:
/ PUBLICATION INFORMATION:
/ DATABASE ACCESSION NUMBER: AB042425
/ DATABASE ENTRY DATE: 2000-05-11

RELEVANT RESIDUES: (1)..(311)
US-10-154-506A-5

Query Match 36.2% Score 42; DB 15; Length 311;
Best Local Similarity 42.1% Pred. No. 1.6e+02;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 3 LFDPMWHPVAVADSPSR 21
Db 281 LLDPMWQTPADVDVPLNPSK 299

RESULT 13
US-10-154-506A-7

Sequence 7, Application US/10154506A
Publication No. US20030125231A1
GENERAL INFORMATION:
APPLICANT: Li, Jun et al.
TITLE OF INVENTION: Methods and Compounds for the Diagnosis of Inflammatory Disease
TITLE OF INVENTION: Identification of Pharmacological Agents Useful in the Treatment
FILE REFERENCE: 9/206-217
CURRENT APPLICATION NUMBER: US/10/154,506A
CURRENT FILING DATE: 2002-05-23
PRIOR APPLICATION NUMBER: US 60/292,968
PRIOR FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 311
TYPE: PRT
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: XP 010208
DATABASE ENTRY DATE: 2001-07-12
RELEVANT RESIDUES: (1)..(311)
US-10-154-506A-7

Query Match 36.2% Score 42; DB 15; Length 311;
Best Local Similarity 42.1% Pred. No. 1.6e+02;
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 3 LFDPMWHPVAVADSPSR 21
Db 281 LLDPMWQTPADVDVPLNPSK 299

RESULT 14
US-09-815-242-5190

Sequence 5190, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5190
LENGTH: 323
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5190

Query Match 36.2% Score 42; DB 9; Length 323;
Best Local Similarity 45.5% Pred. No. 1.7e+02;
Matches 10; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 MALFDPWHLHPVAVADSPSR 22
Db 162 IALRAMWLQPKVLVADDEPTSA 183

RESULT 15
US-10-156-761-14847
Sequence 14847, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 14847
LENGTH: 335
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-14847

Query Match 36.2% Score 42; DB 15; Length 335;
Best Local Similarity 39.1% Pred. No. 1.8e+02;
Matches 9; Conservative 2; Mismatches 6; Indels 6; Gaps 1;

Qy 6 PWLHP-----VAVADSPSR 22
Db 212 PWAREPVVISGTLAVADTPQNA 234

Search completed: July 25, 2003, 13:08:13
Job time: 6.90857 secs

